Day 46

$$2x - y < 7$$

Day 46

1. Opener

$$2x - y < 7$$

Day 46

1. Opener

a) Graph: $2x - y < 7$

Day 46

1. Opener

a) Graph: $2x - y < 7$

b) I have 100 coins in my pocket worth $6.40. They are nickels and quarters. How many of each are there?

Day 46

1. Opener

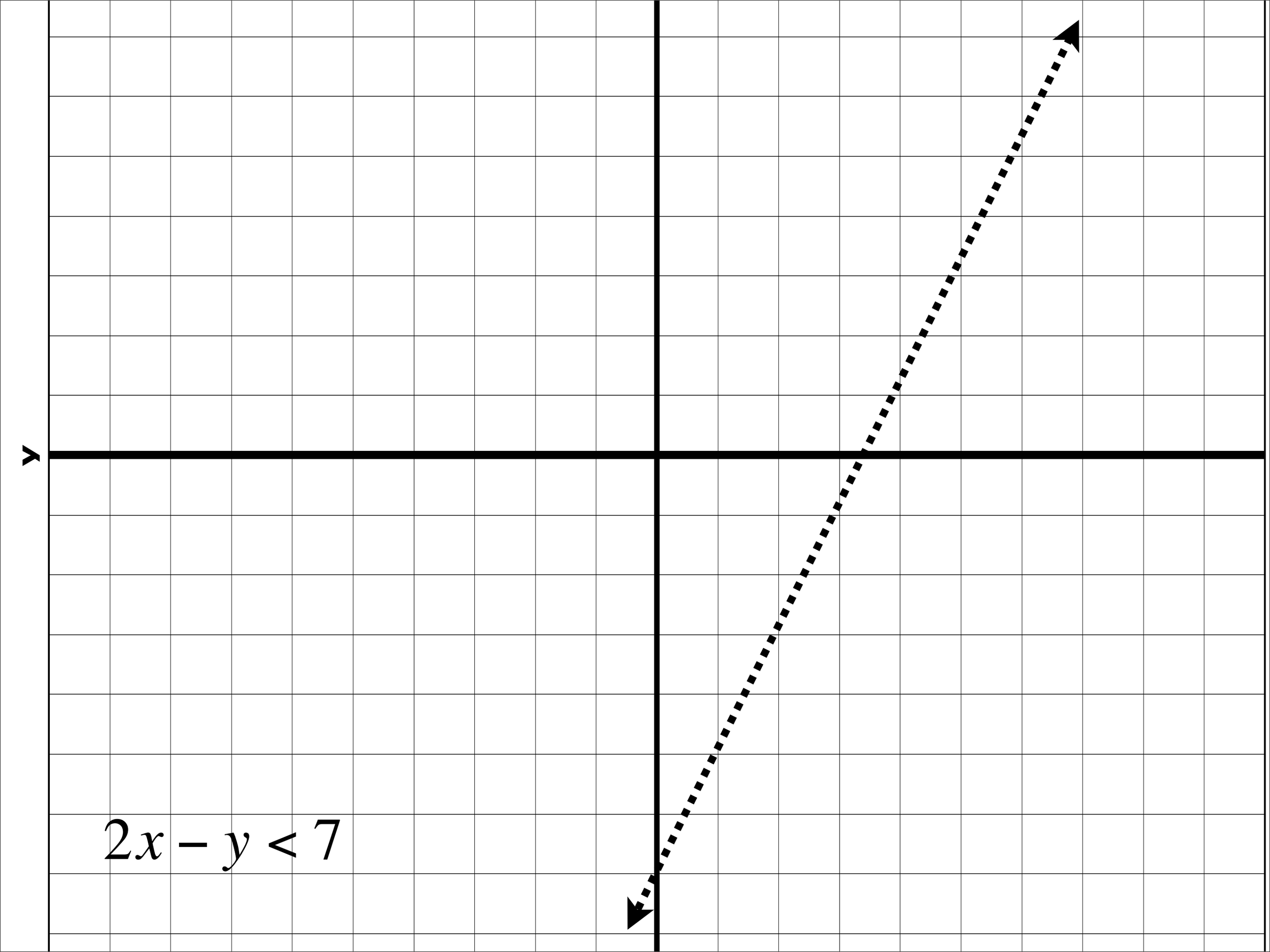
a) Graph: $2x - y < 7$

b) I have 100 coins in my pocket worth $6.40. They are nickels and quarters. How many of each are there?

c) What is the most recognizable ad icon of the 20th century?

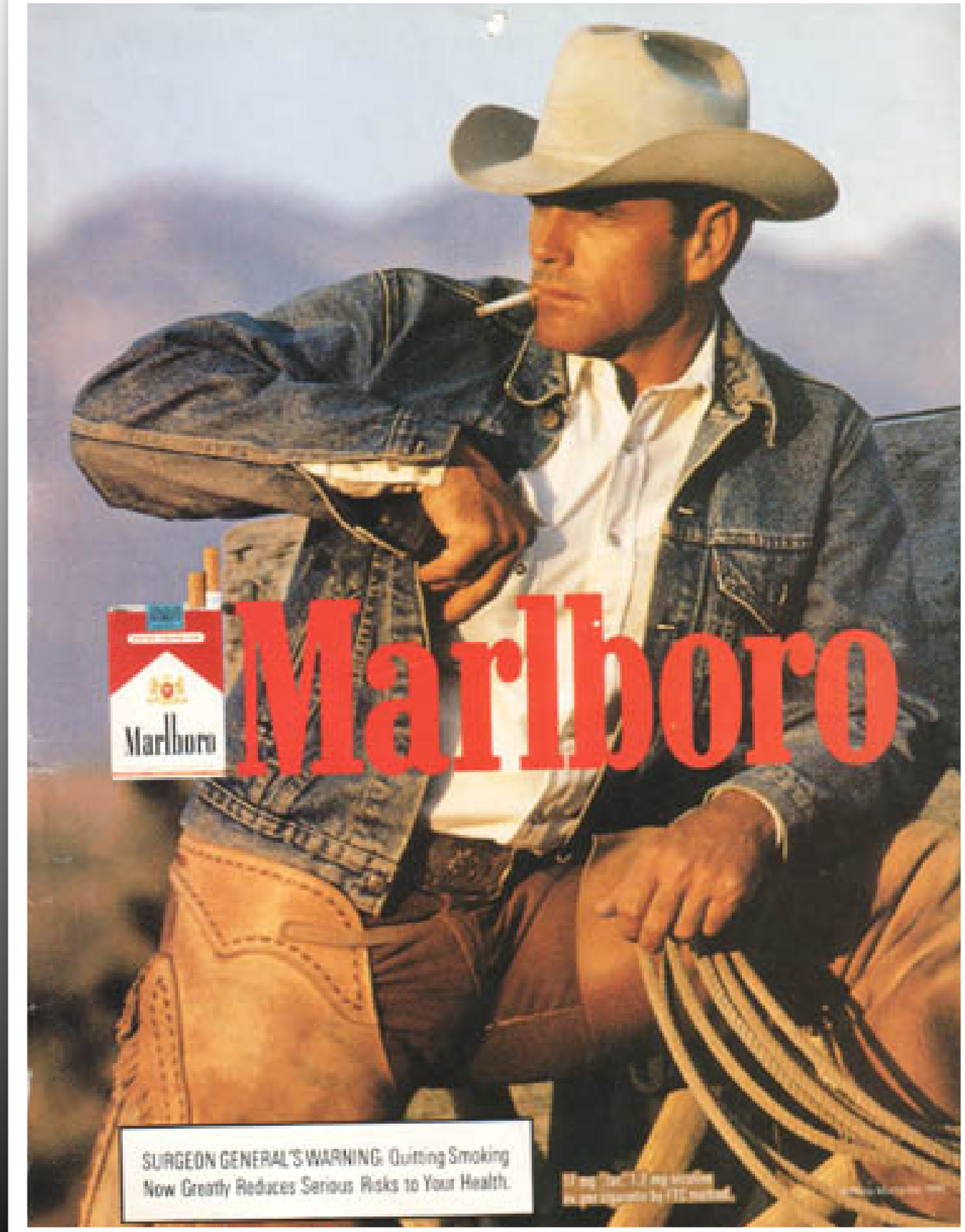
y

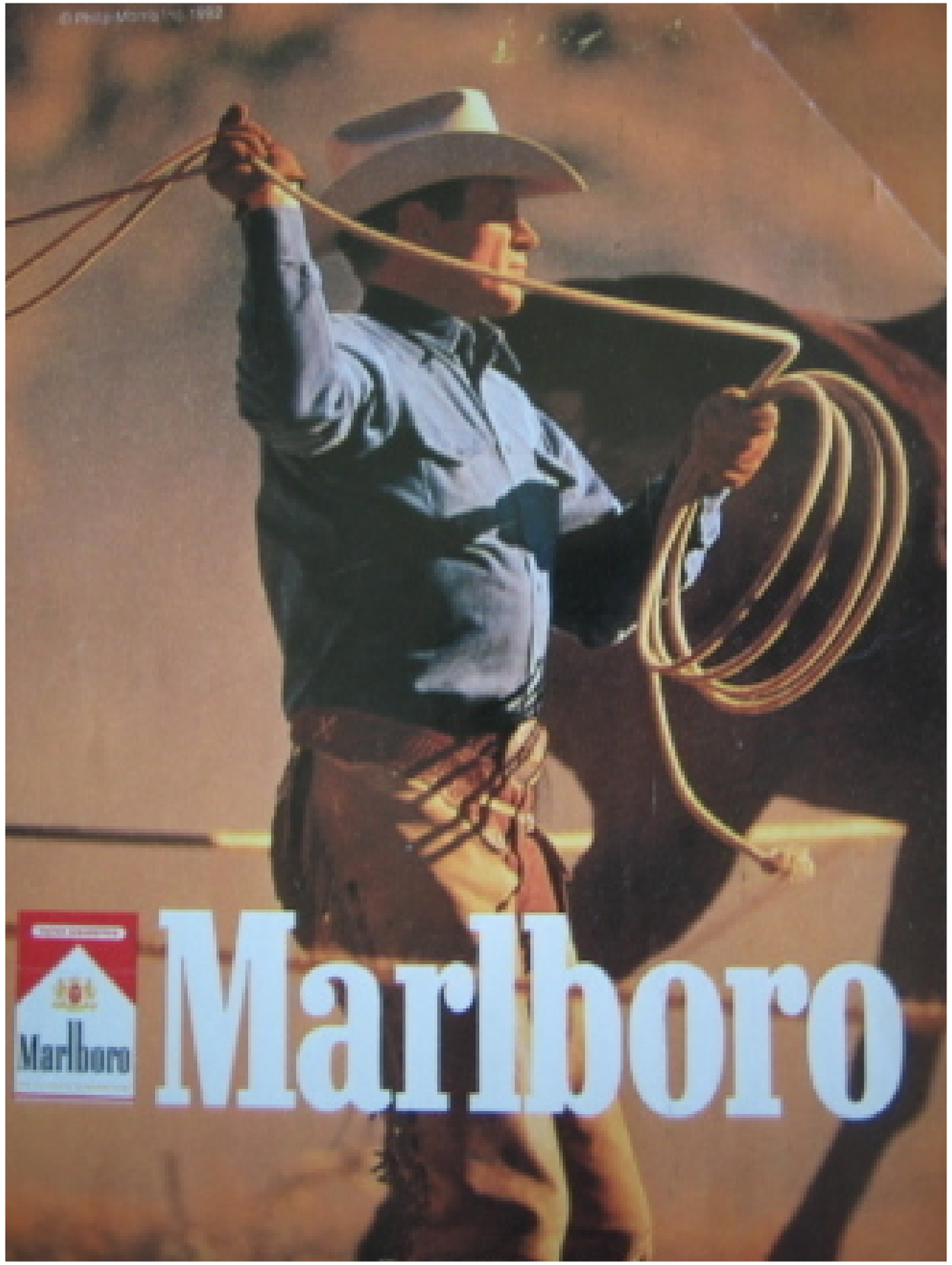
$2x - y < 7$


y
$2x - y < 7$

$2x - y < 7$


Marlboro
Marlboro
SURGEON GENERAL'S WARNING: Cigarette
Smoke Contains Carbon Monoxide.


Marlboro
Marlboro
SURGEON GENERAL'S WARNING: Quitting Smoking Now Greatly Reduces Serious Risks to Your Health.


Marlboro
Marlboro

Monday, 1/05/09:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	79	**84**	**95**	**100**	**68**	**89**	89	**72**	80	53	37	**24**	29	33		67
Sixth	**100**	77	**95**	95	**68**	77	**91**	68	**95**	**64**	**73**	10	**41**	**35**		**71**

Monday, 1/12/09:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	79	**84**	**95**	**100**	**68**	**89**	89	**72**	80	53	37	**24**	47	67		70
Sixth	**100**	77	**95**	95	**68**	77	**91**	68	**95**	**64**	**73**	10	**57**	**73**		**75**

3. How We’re Doing

3. How We're Doing

#4 Solving Equations	98%

3. How We're Doing

#4	Solving Equations	98%
#3	Absolute Value	95%

3. How We're Doing

#4 Solving Equations	98%
#3 Absolute Value	95%
#1 Order of Operations	90%

3. How We're Doing

#4	Solving Equations	98%
#3	Absolute Value	95%
#1	Order of Operations	90%
#7	Graphing Inequalities	90%

3. How We're Doing

#4 Solving Equations	98%
#3 Absolute Value	95%
#1 Order of Operations	90%
#7 Graphing Inequalities	90%
#9 Relationships	88%

3. How We're Doing

#4 Solving Equations	98%
#3 Absolute Value	95%
#1 Order of Operations	90%
#7 Graphing Inequalities	90%
#9 Relationships	88%
#6 Proportions	83%

3. How We're Doing

#4 Solving Equations	98%
#3 Absolute Value	95%
#1 Order of Operations	90%
#7 Graphing Inequalities	90%
#9 Relationships	88%
#6 Proportions	83%
#2 Evaluating Expressions	81%

3. How We're Doing

#4 Solving Equations	98%
#3 Absolute Value	95%
#1 Order of Operations	90%
#7 Graphing Inequalities	90%
#9 Relationships	88%
#6 Proportions	83%
#2 Evaluating Expressions	81%
#8 Absolute Value Inequalities	70%

3. How We're Doing

#4	Solving Equations	98%
#3	Absolute Value	95%
#1	Order of Operations	90%
#7	Graphing Inequalities	90%
#9	Relationships	88%
#6	Proportions	83%
#2	Evaluating Expressions	81%
#8	Absolute Value Inequalities	70%
#14	Eliminating	70%

3. How We're Doing

#4	Solving Equations	98%
#3	Absolute Value	95%
#1	Order of Operations	90%
#7	Graphing Inequalities	90%
#9	Relationships	88%
#6	Proportions	83%
#2	Evaluating Expressions	81%
#8	Absolute Value Inequalities	70%
#14	Eliminating	70%
#5	Solving Equations (Longer)	68%

3. How We're Doing

#4	Solving Equations	98%
#3	Absolute Value	95%
#1	Order of Operations	90%
#7	Graphing Inequalities	90%
#9	Relationships	88%
#6	Proportions	83%
#2	Evaluating Expressions	81%
#8	Absolute Value Inequalities	70%
#14	Eliminating	70%
#5	Solving Equations (Longer)	68%
#10	Graphing Relationships	58%

3. How We're Doing

#4	Solving Equations	98%
#3	Absolute Value	95%
#1	Order of Operations	90%
#7	Graphing Inequalities	90%
#9	Relationships	88%
#6	Proportions	83%
#2	Evaluating Expressions	81%
#8	Absolute Value Inequalities	70%
#14	Eliminating	70%
#5	Solving Equations (Longer)	68%
#10	Graphing Relationships	58%
#11	Parallel Lines	56%

3. How We're Doing

#4	Solving Equations	98%
#3	Absolute Value	95%
#1	Order of Operations	90%
#7	Graphing Inequalities	90%
#9	Relationships	88%
#6	Proportions	83%
#2	Evaluating Expressions	81%
#8	Absolute Value Inequalities	70%
#14	Eliminating	70%
#5	Solving Equations (Longer)	68%
#10	Graphing Relationships	58%
#11	Parallel Lines	56%
#13	Substitution	52%

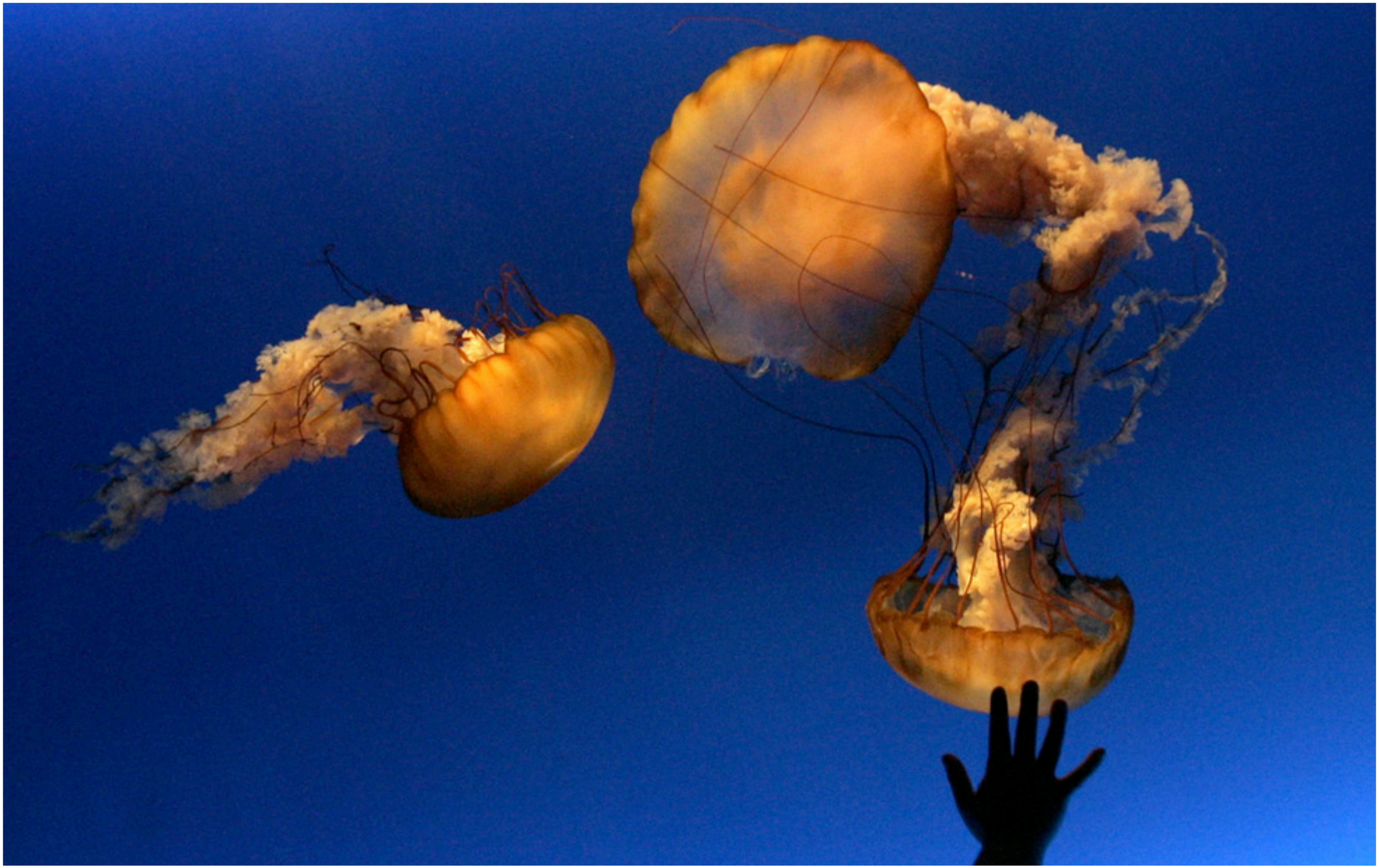
3. How We're Doing

#4	Solving Equations	98%
#3	Absolute Value	95%
#1	Order of Operations	90%
#7	Graphing Inequalities	90%
#9	Relationships	88%
#6	Proportions	83%
#2	Evaluating Expressions	81%
#8	Absolute Value Inequalities	70%
#14	Eliminating	70%
#5	Solving Equations (Longer)	68%
#10	Graphing Relationships	58%
#11	Parallel Lines	56%
#13	Substitution	52%
#12	Perpendicular Lines	16%

3. How We're Doing

#4	Solving Equations	98%
#3	Absolute Value	95%
#1	Order of Operations	90%
#7	Graphing Inequalities	90%
#9	Relationships	88%
#6	Proportions	83%
#2	Evaluating Expressions	81%
#8	Absolute Value Inequalities	70%
#14	Eliminating	70%
#5	Solving Equations (Longer)	68%
#10	Graphing Relationships	58%
#11	Parallel Lines	56%
#13	Substitution	52%
#12	Perpendicular Lines	16%


adidas
bwin




ARTEMIS
SHEEK


187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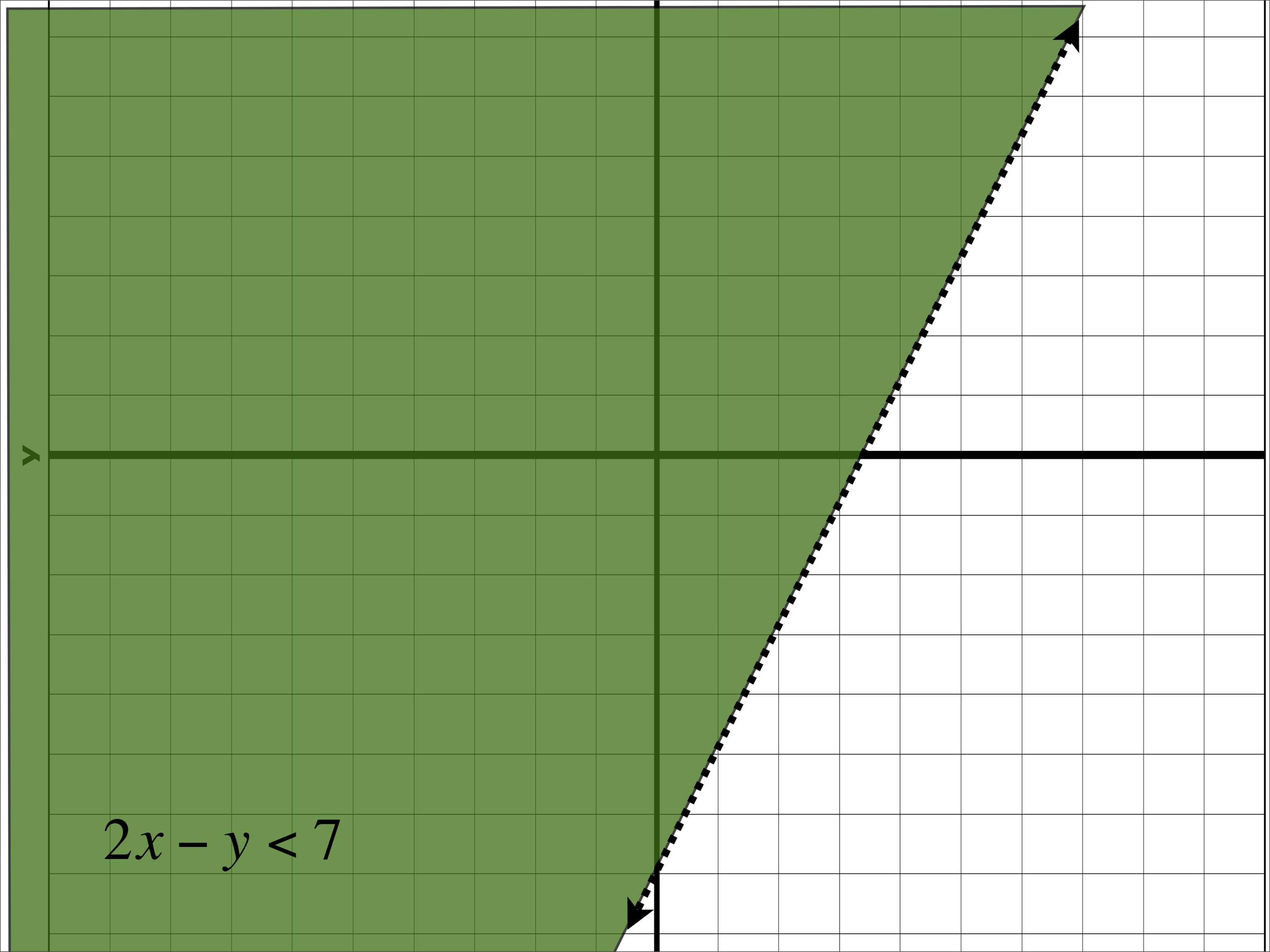
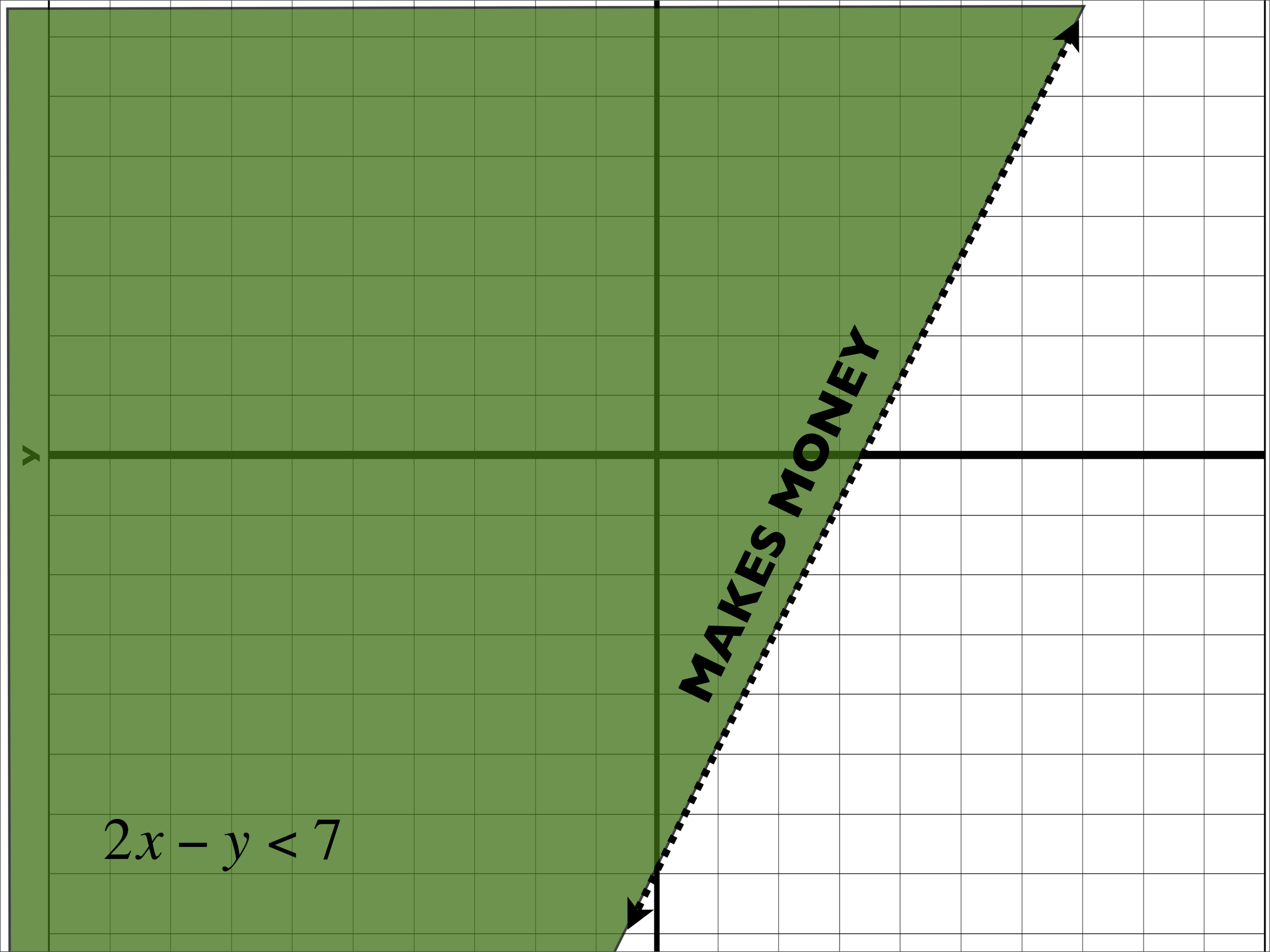
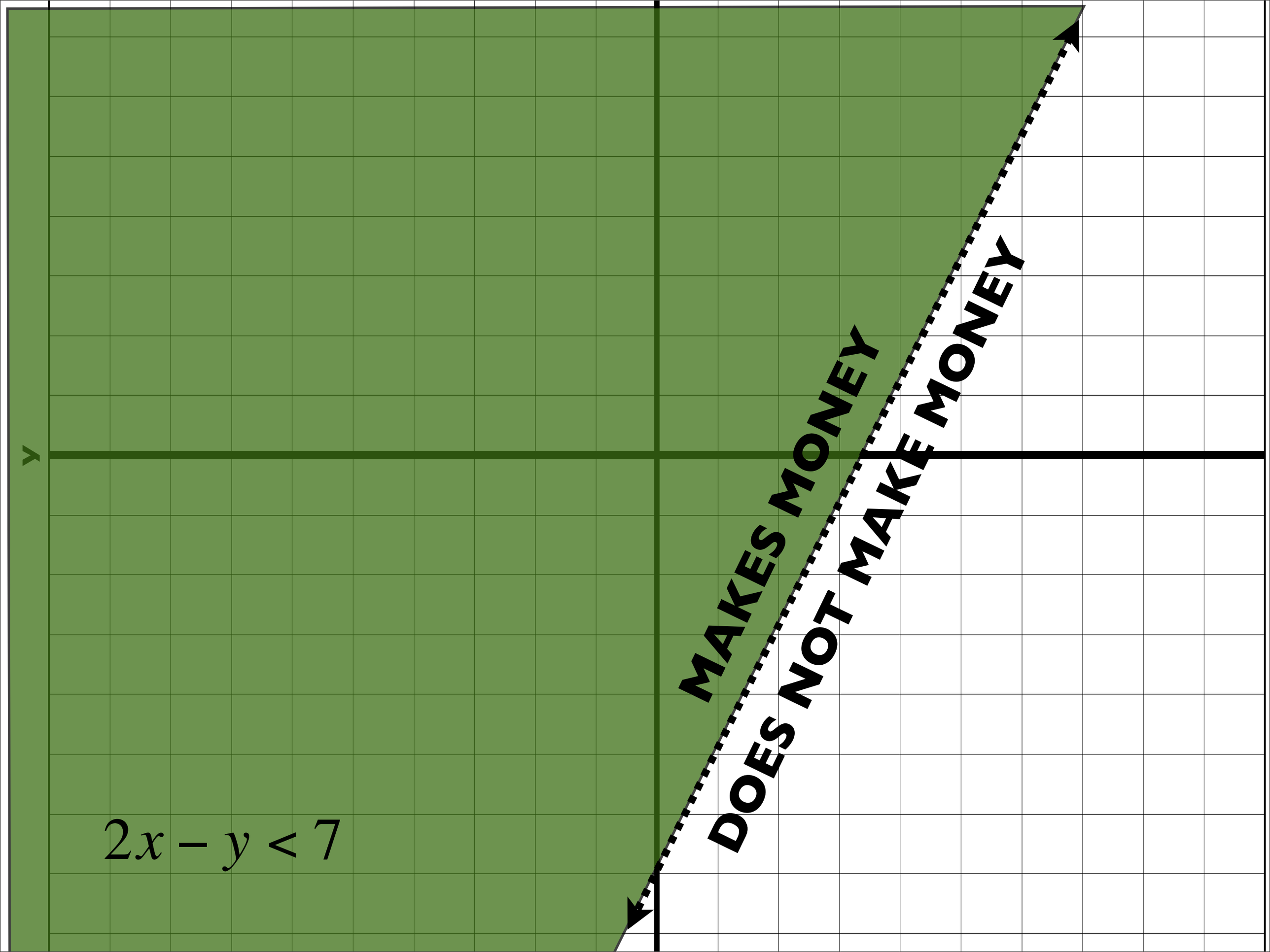
FISCHER

2. Pass Back Tests


y
$2x - y < 7$


MAKES MONEY
$2x - y < 7$

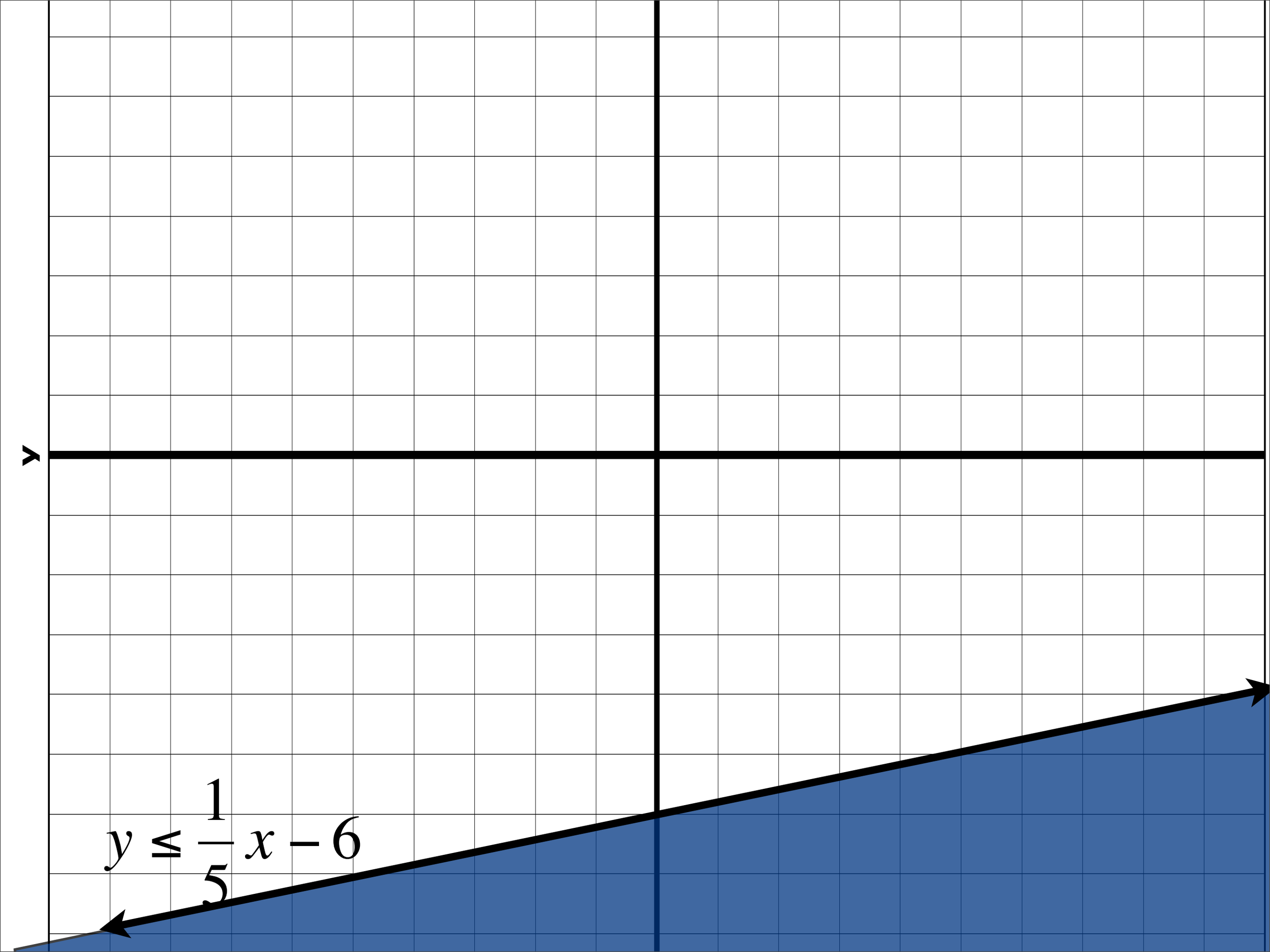

MAKES MONEY
DOES NOT MAKE MONEY
$2x - y < 7$

y

$$y \leq \frac{1}{5}x - 6$$

y

$$y \leq \frac{1}{5}x - 6$$


y
$y \leq \frac{1}{5}x - 6$

y

$$y \leq \frac{1}{5}x - 6$$

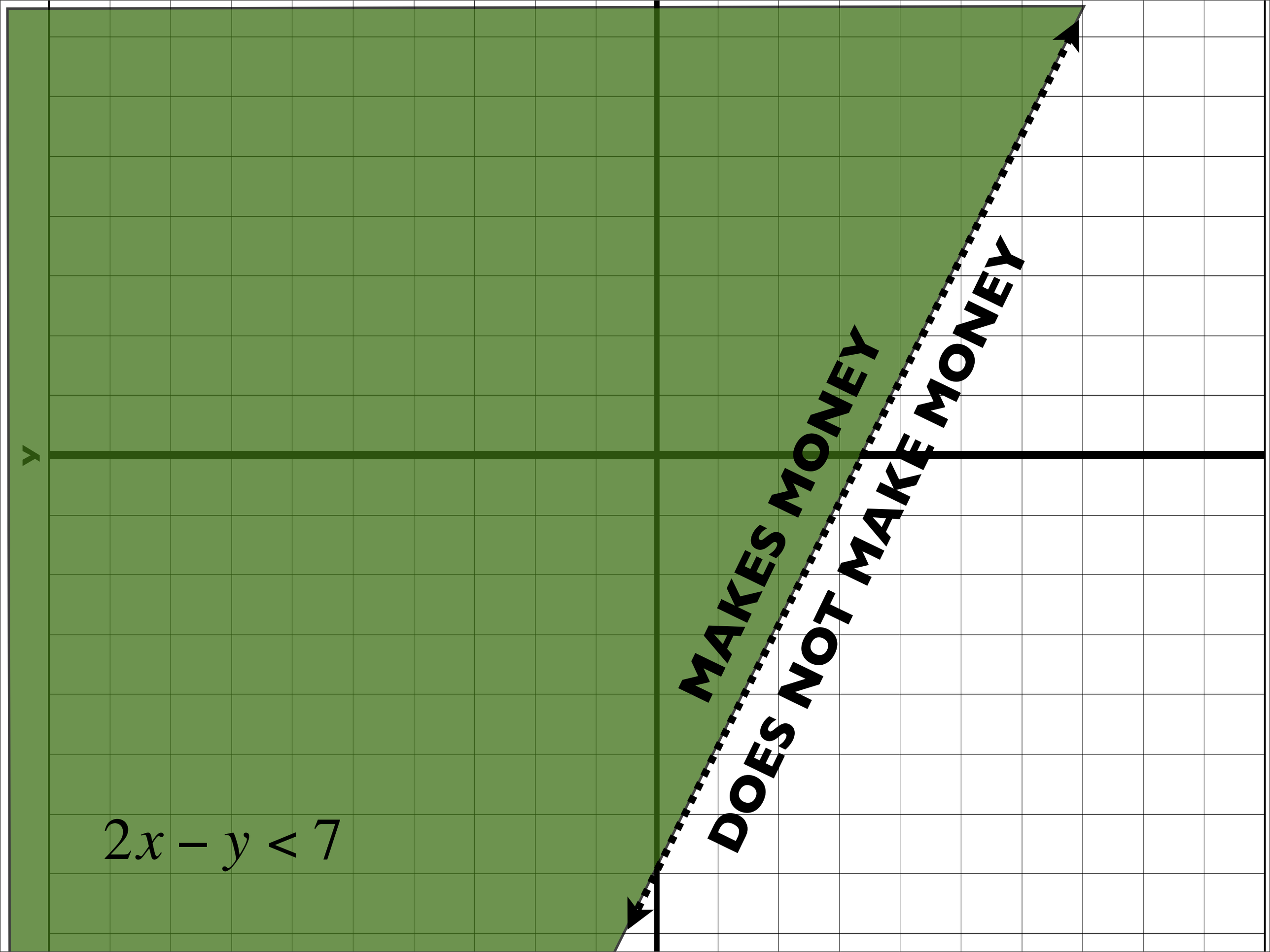
CUSTOMERS ARE HAPPY

y

$y \leq \frac{1}{5}x$

CUSTOMERS ARE UNHAPPY

CUSTOMERS ARE HAPPY


MAKES MONEY
DOES NOT MAKE MONEY
$2x - y < 7$

y

$y \leq \frac{1}{5}x - 6$

EMPLOYEES ARE UNHAPPY

EMPLOYEES ARE HAPPY

$2x - y < 7$

$y \leq \frac{1}{5}x - 6$

MAKES MONEY

DOES NOT MAKE MONEY

EMPLOYEES ARE UNHAPPY

EMPLOYEES ARE HAPPY

y

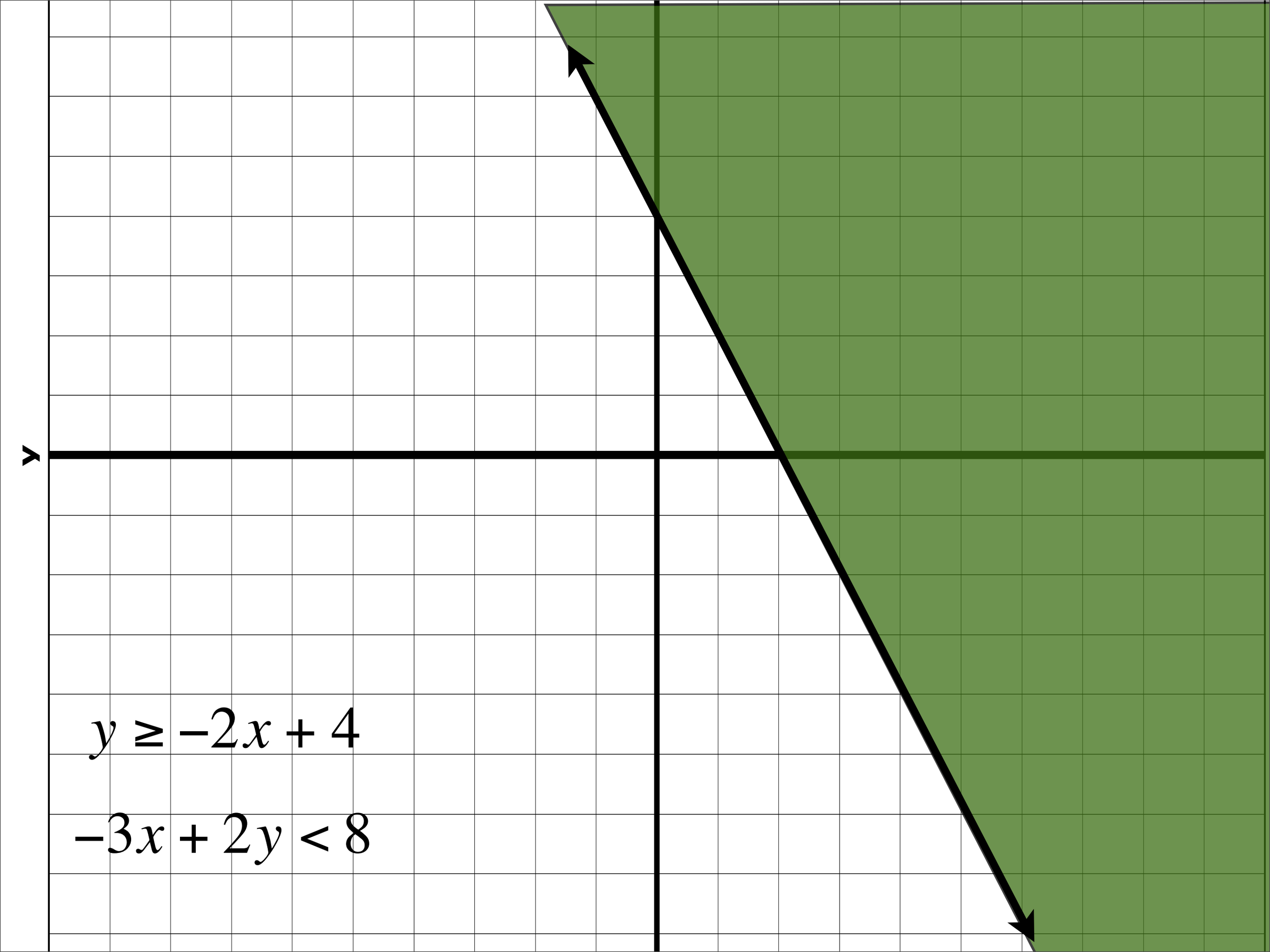
$y \geq -2x + 4$

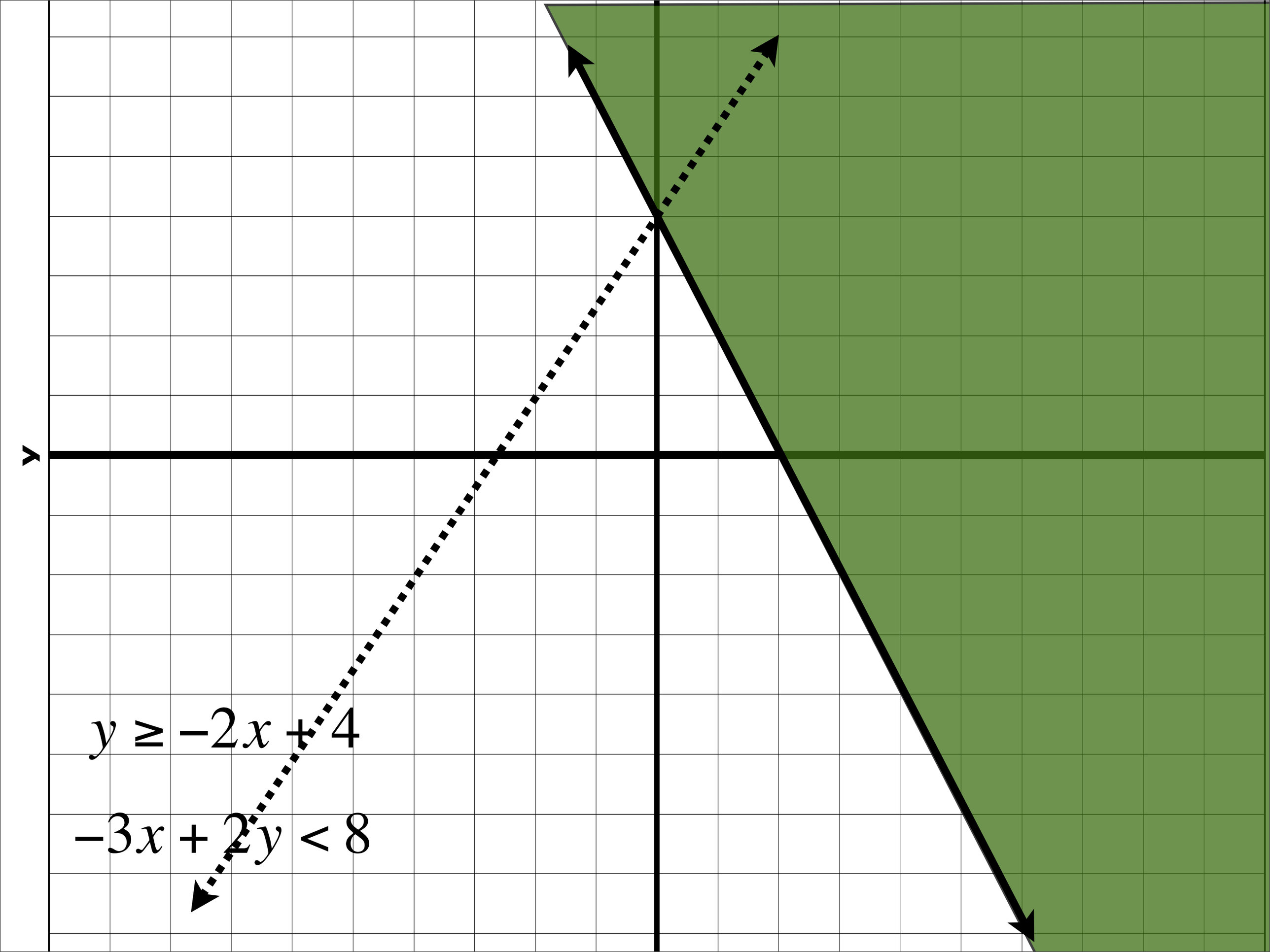
$-3x + 2y < 8$

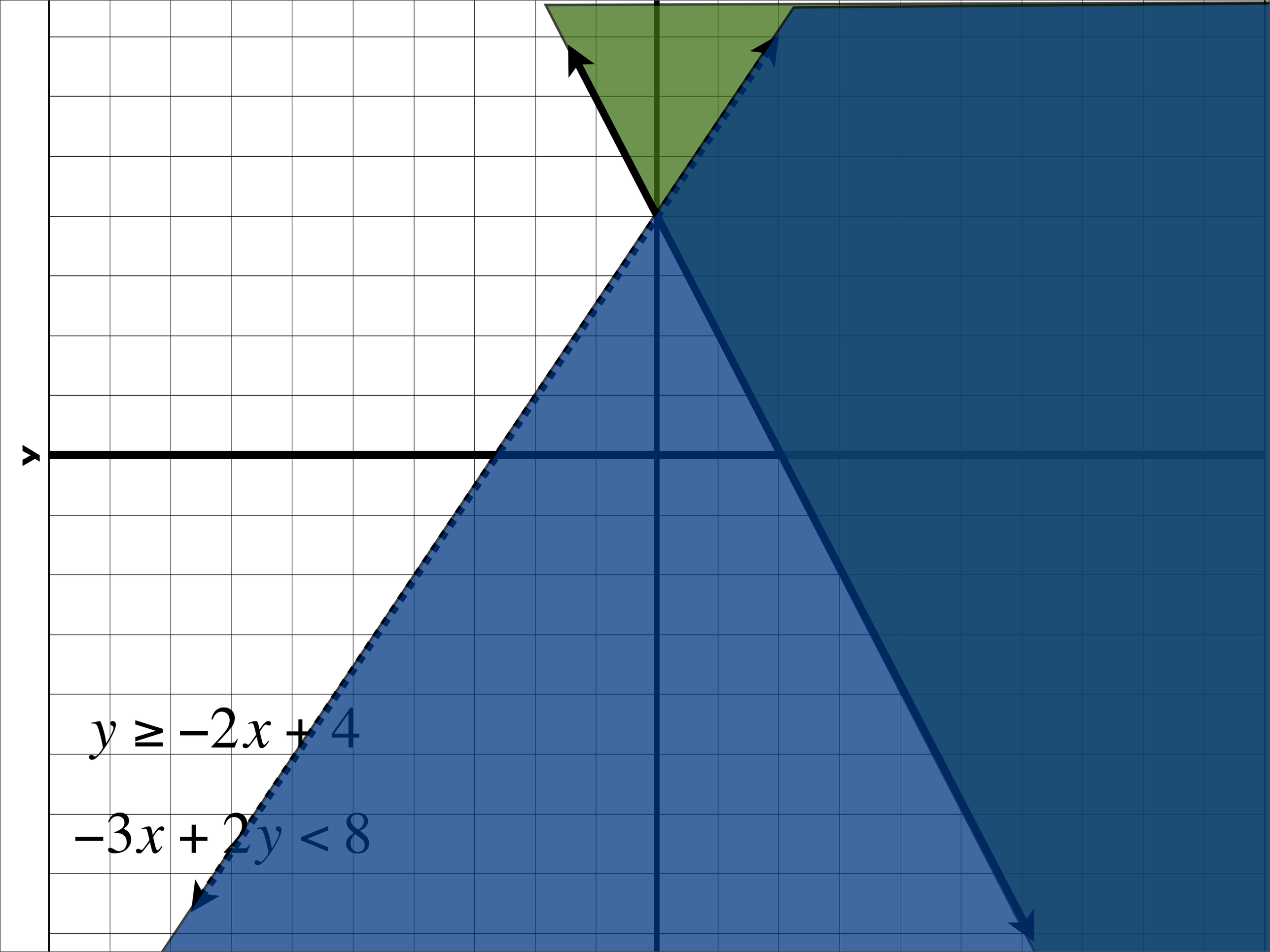
y

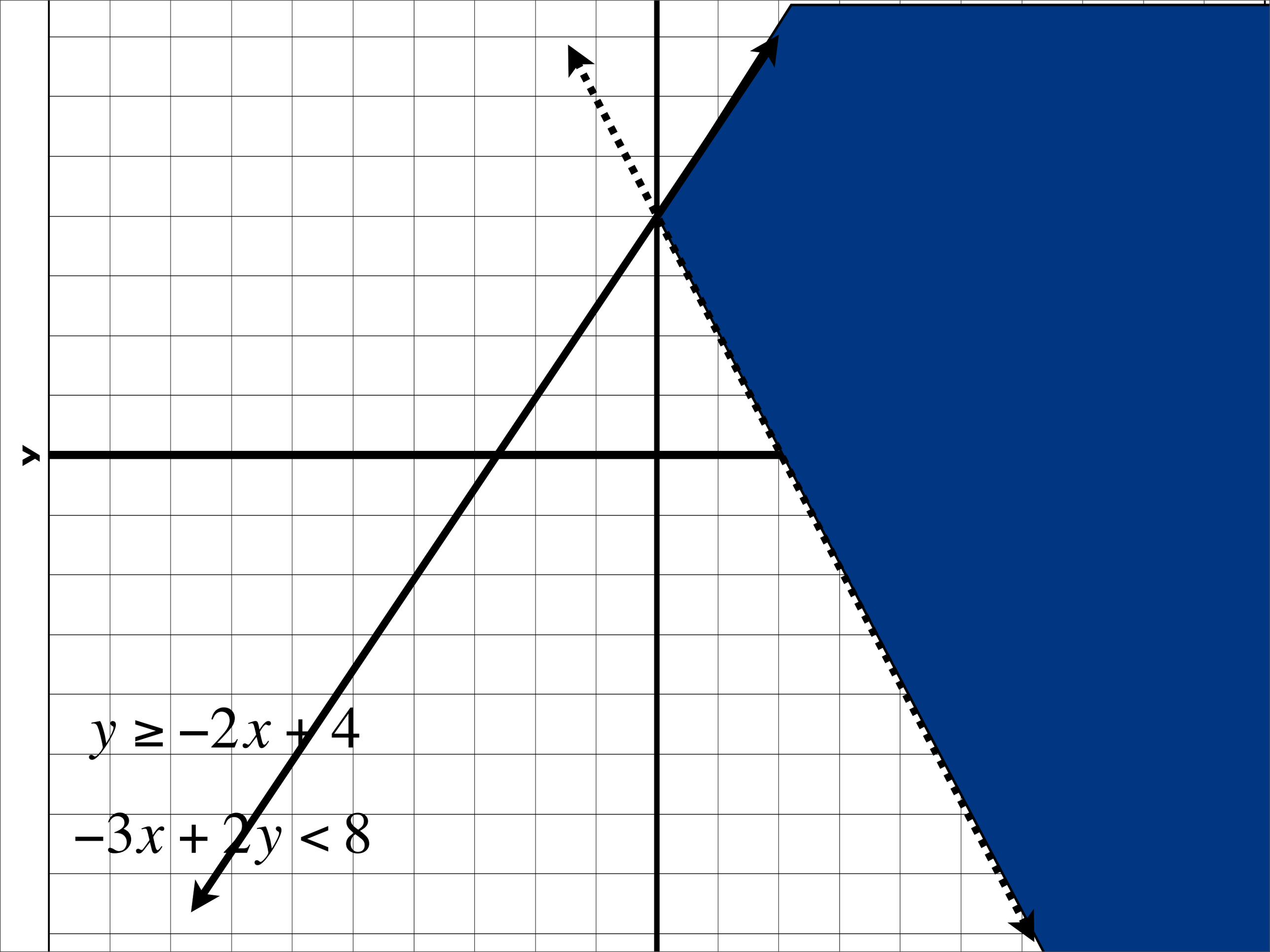
$y \geq -2x + 4$

$-3x + 2y < 8$


y
$y \geq -2x + 4$
$-3x + 2y < 8$


y
$y \geq -2x + 4$
$-3x + 2y < 8$


y
$y \geq -2x + 4$
$-3x + 2y < 8$


y
$y \geq -2x + 4$
$-3x + 2y < 8$

3. Classwork

$$y < 2x + 4$$
$$-3x - 2y \geq 6$$

$$y > \frac{1}{4}x$$
$$y \leq -x + 4$$

$$y \leq -\frac{1}{3}x + 7$$
$$y \geq -x + 1$$

$$x + 2y \leq 10$$
$$x + 2y \geq 9$$

$$y \geq -x + 5$$
$$y \leq 3x - 4$$

$$6x - 5y < 15$$
$$x + 2y \geq 7$$

Day 47

$$2y - 3x > 4$$

$$y \geq -2$$

$$y = \frac{5}{2}x - 2$$

$$5(x - 3) - 2 = -4(x - 1) - 3$$

x	y
6	3
5	2.5
4	2
3	1.5
2	1

Day 47

1. Opener

$$2y - 3x > 4$$

$$y \geq -2$$

$$y = \frac{5}{2}x - 2$$

x	y
6	3
5	2.5
4	2
3	1.5
2	1

$$5(x - 3) - 2 = -4(x - 1) - 3$$

Day 47

1. Opener

a) Graph: $2y - 3x > 4$

$y \geq -2$

$$y = \frac{5}{2}x - 2$$

x	y
6	3
5	2.5
4	2
3	1.5
2	1

$$5(x - 3) - 2 = -4(x - 1) - 3$$

Day 47

1. Opener

a) Graph: $2y - 3x > 4$

$y \geq -2$

b) Write any line that would be perpendicular to this one:

$$y = \frac{5}{2}x - 2$$

$$5(x - 3) - 2 = -4(x - 1) - 3$$

x	y
6	3
5	2.5
4	2
3	1.5
2	1

Day 47

1. Opener

a) Graph: $2y - 3x > 4$

$y \geq -2$

b) Write any line that would be perpendicular to this one:

$$y = \frac{5}{2}x - 2$$

c) How would you describe the relationship between x and y?

$$5(x - 3) - 2 = -4(x - 1) - 3$$

x	y
6	3
5	2.5
4	2
3	1.5
2	1

Day 47

1. Opener

a) Graph: $2y - 3x > 4$

$y \geq -2$

b) Write any line that would be perpendicular to this one:

$$y = \frac{5}{2}x - 2$$

c) How would you describe the relationship between x and y?

d) Solve: $5(x - 3) - 2 = -4(x - 1) - 3$

x	y
6	3
5	2.5
4	2
3	1.5
2	1

Day 47

1. Opener

a) Graph: $2y - 3x > 4$

$y \geq -2$

b) Write any line that would be perpendicular to this one:

$$y = \frac{5}{2}x - 2$$

c) How would you describe the relationship between x and y?

d) Solve: $5(x - 3) - 2 = -4(x - 1) - 3$

x	y
6	3
5	2.5
4	2
3	1.5
2	1

e) What is the longest fall survived without a parachute?

y

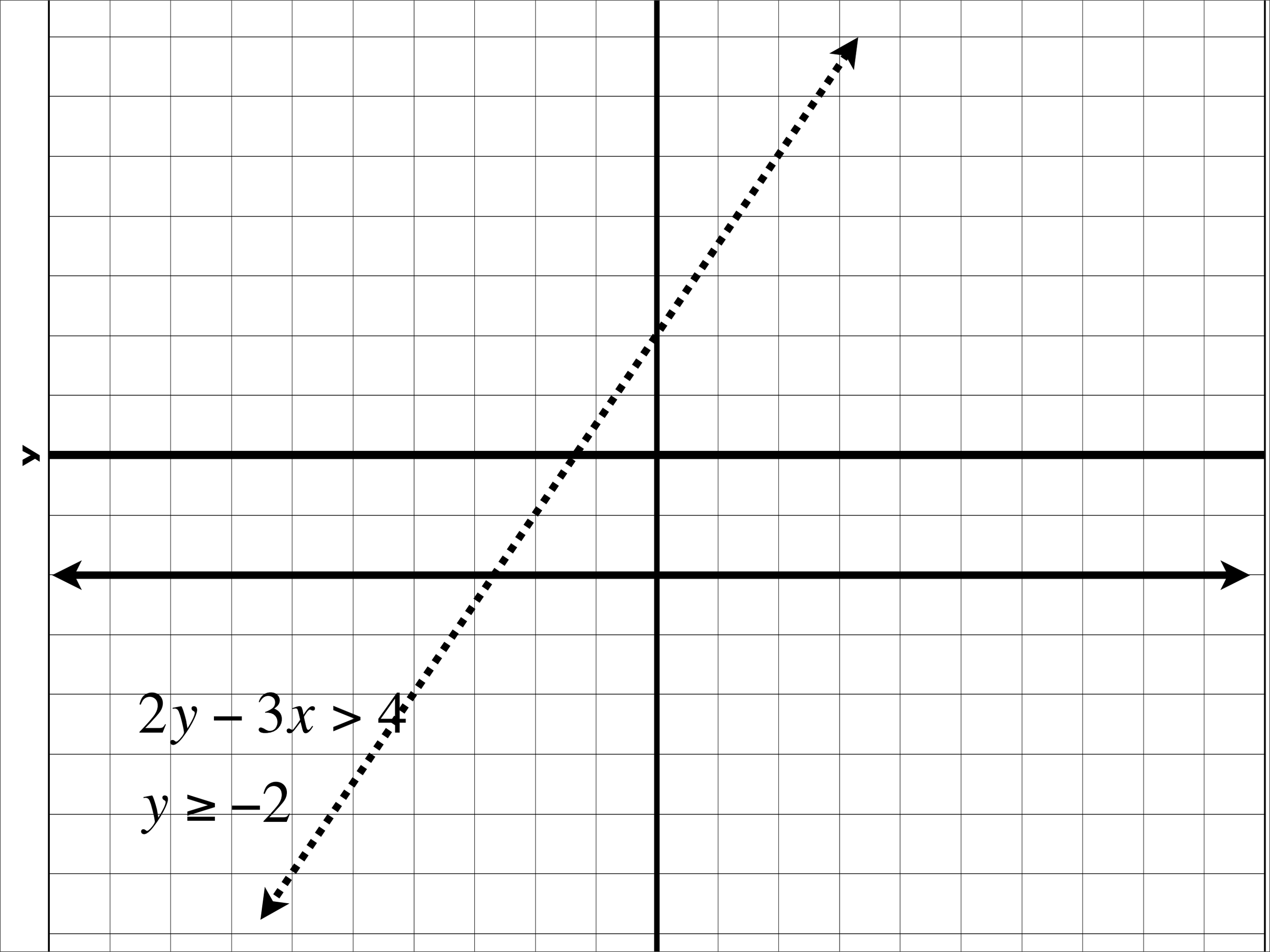
$2y - 3x > 4$

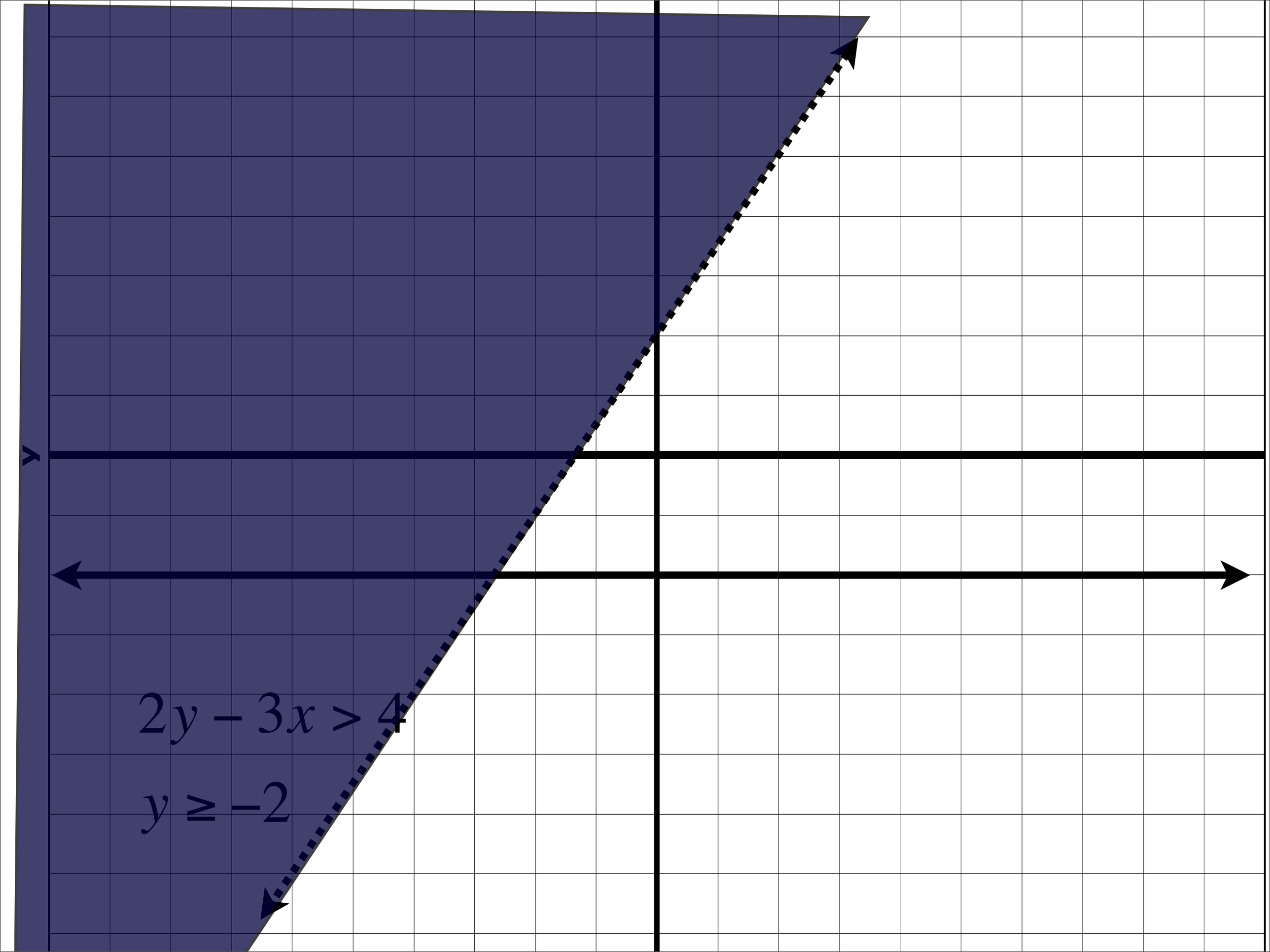
$y \geq -2$

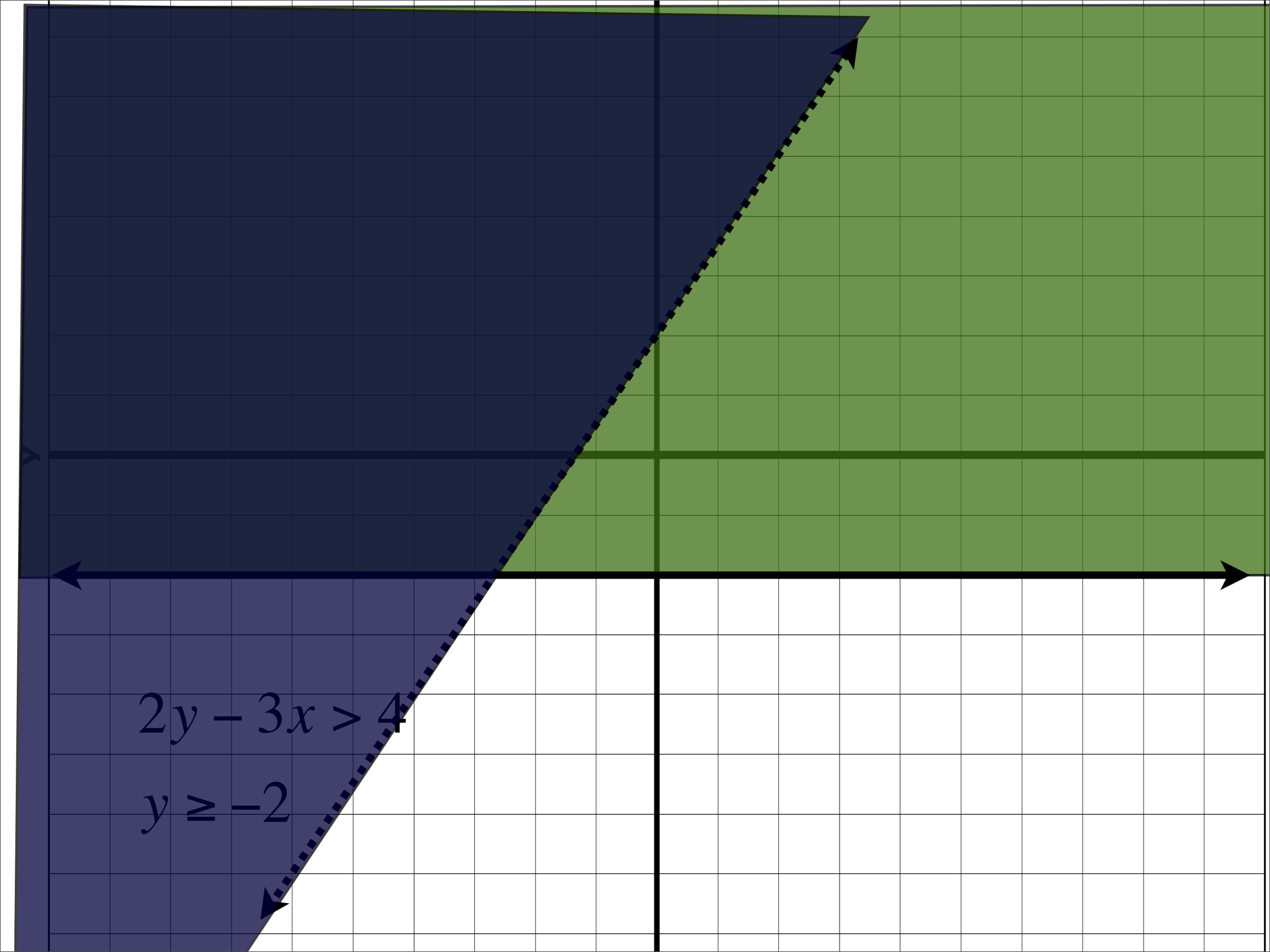
y

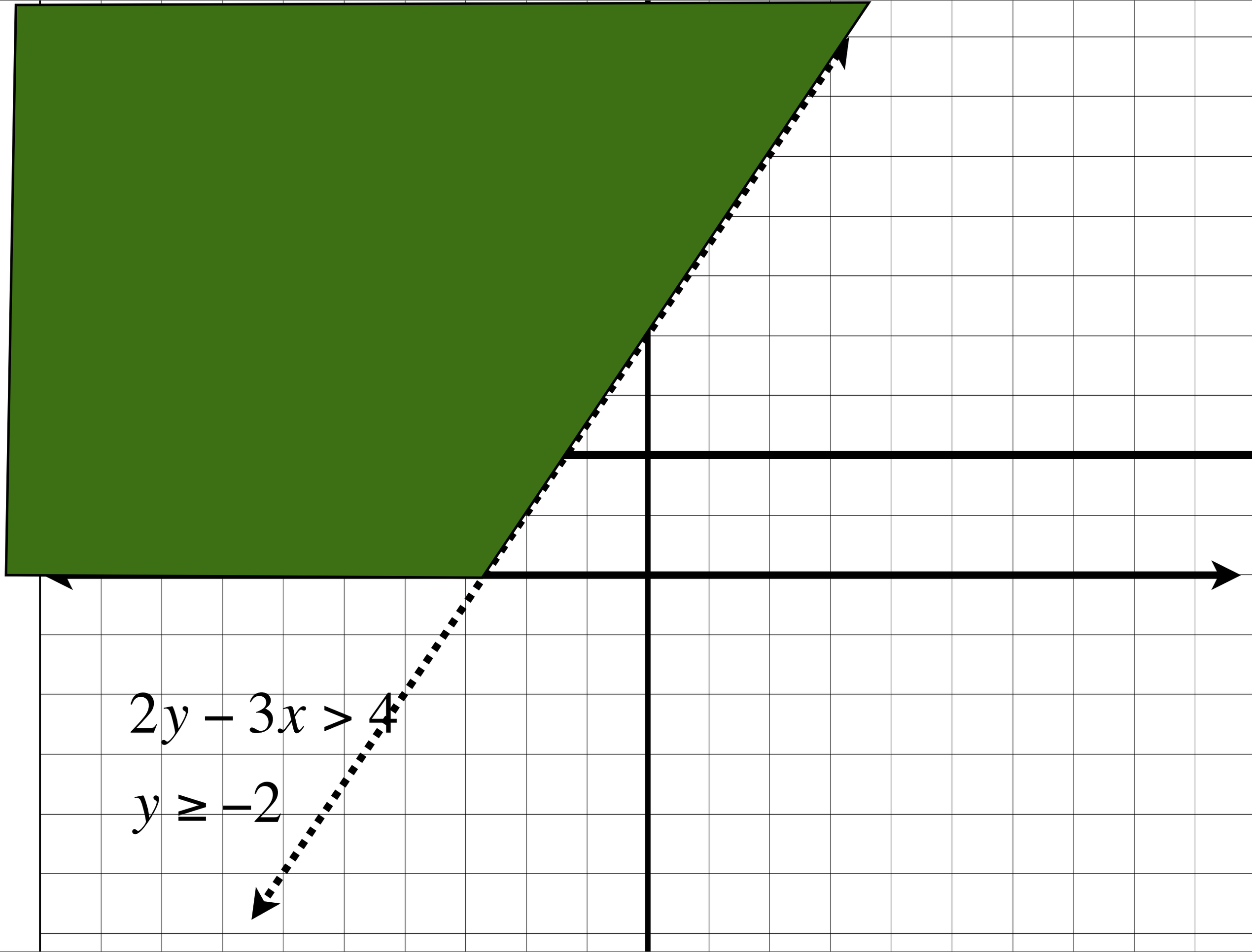
$2y - 3x > 4$

$y \geq -2$


y
$2y - 3x > 4$
$y \geq -2$


y
$2y - 3x > 4$
$y \geq -2$


y
$2y - 3x > 4$
$y \geq -2$


$2y - 3x > 4$
$y \geq -2$

3. Homework Review

$y < 2x + 4$

$-3x - 2y \geq 6$

$y > \frac{1}{4}x$

$y \leq -x + 4$

$y \leq -\frac{1}{3}x + 7$

$y \geq -x + 1$

$x + 2y \leq 10$

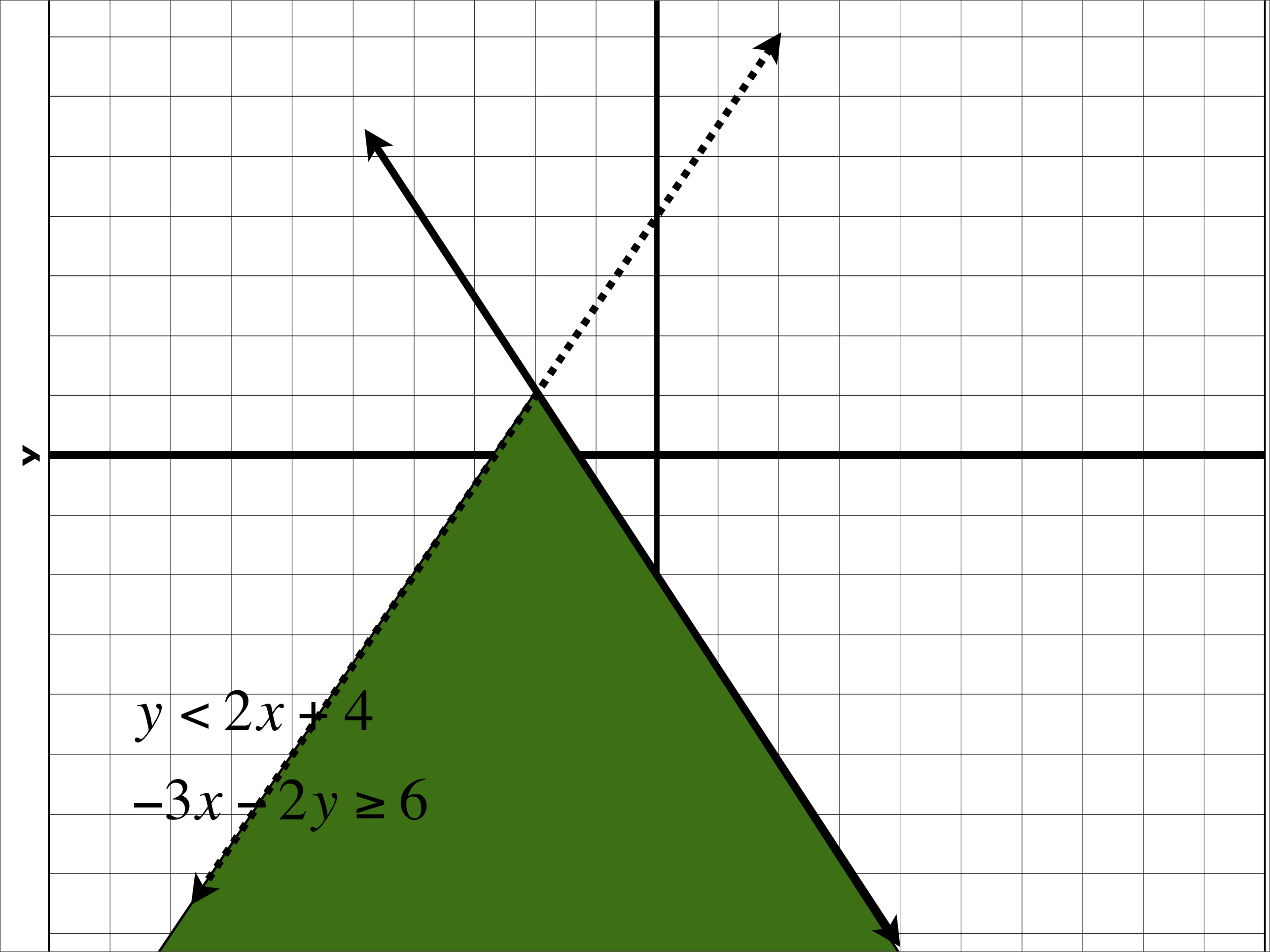
$x + 2y \geq 9$

$y \geq -x + 5$

$y \leq 3x - 4$

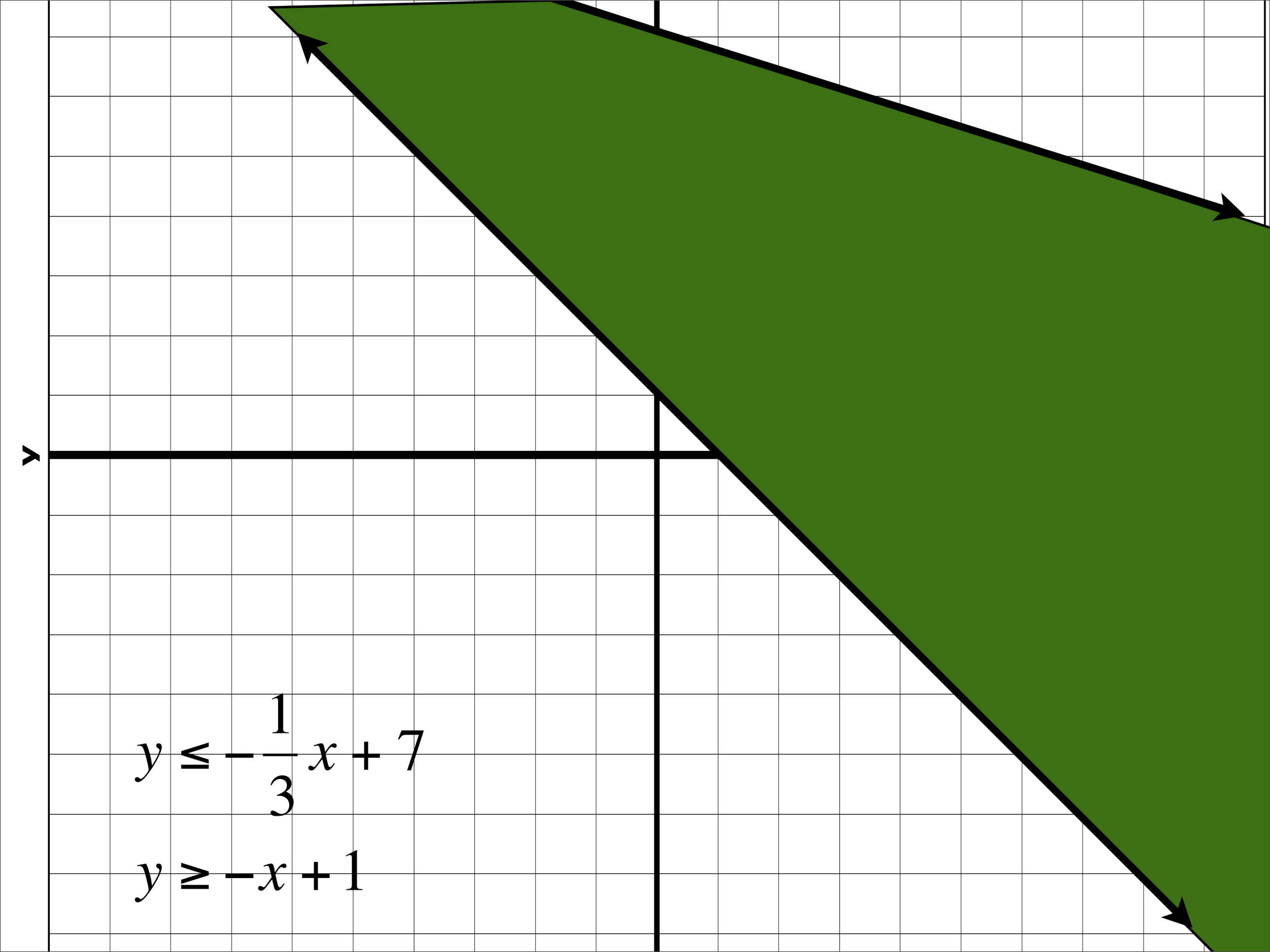
$6x - 5y < 15$

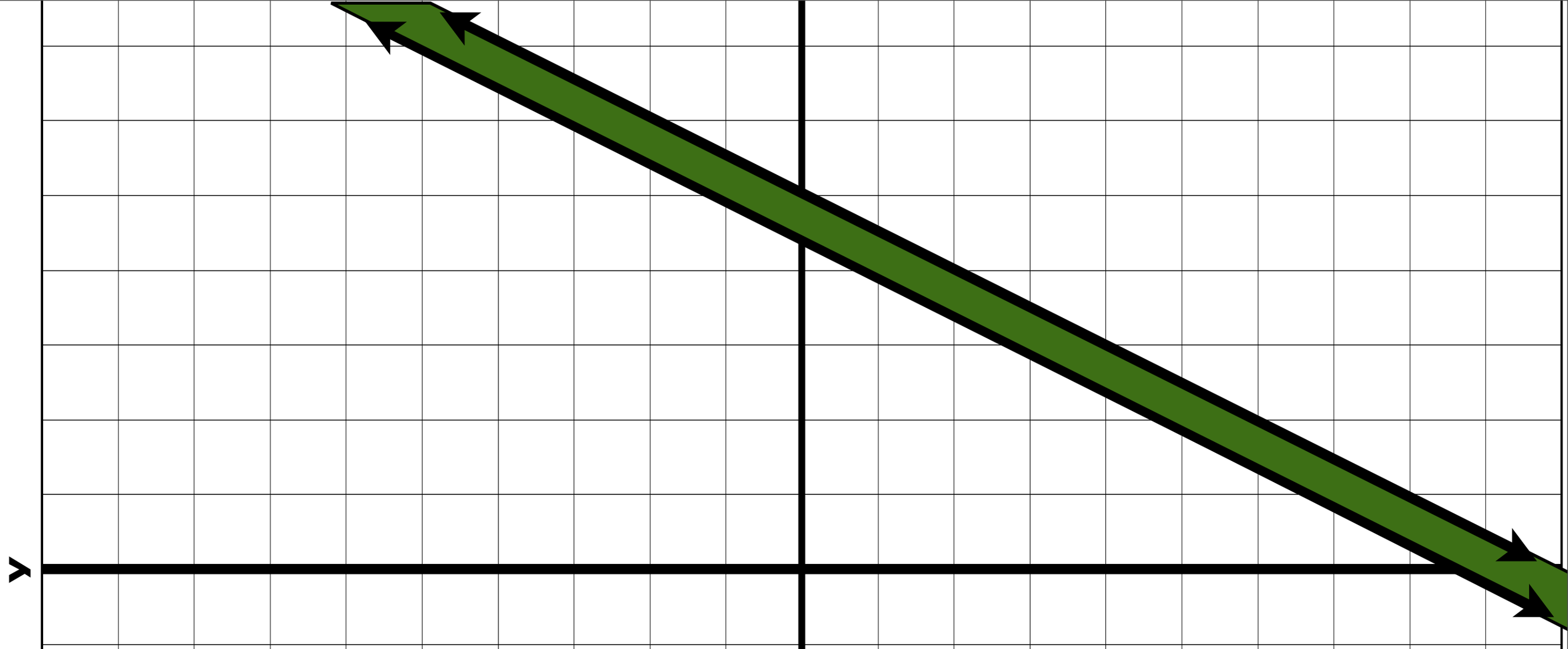
$x + 2y \geq 7$


y
$y < 2x + 4$
$-3x - 2y \geq 6$

$$y > \frac{1}{4}x$$

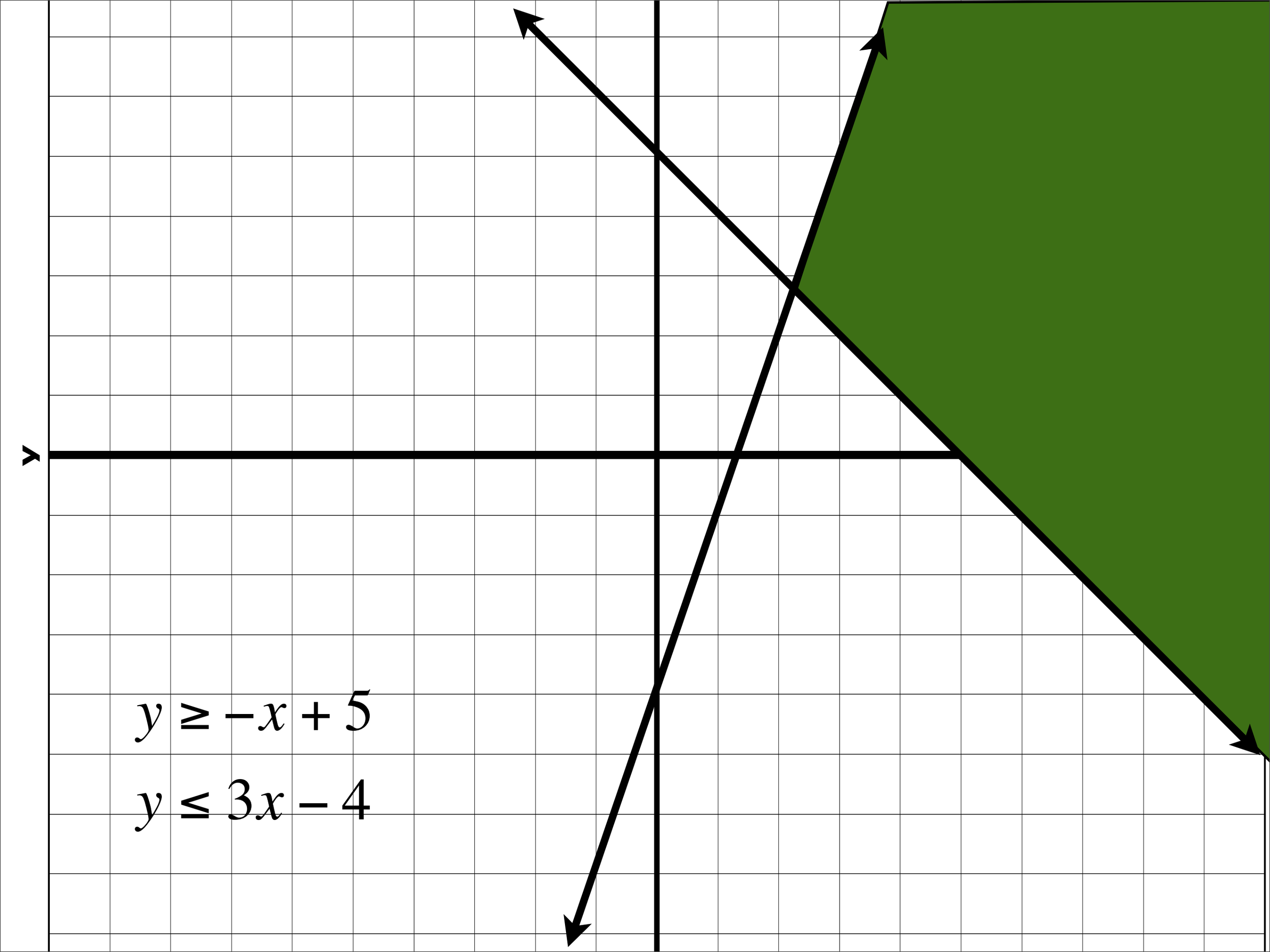
$$y \leq -x + 4$$

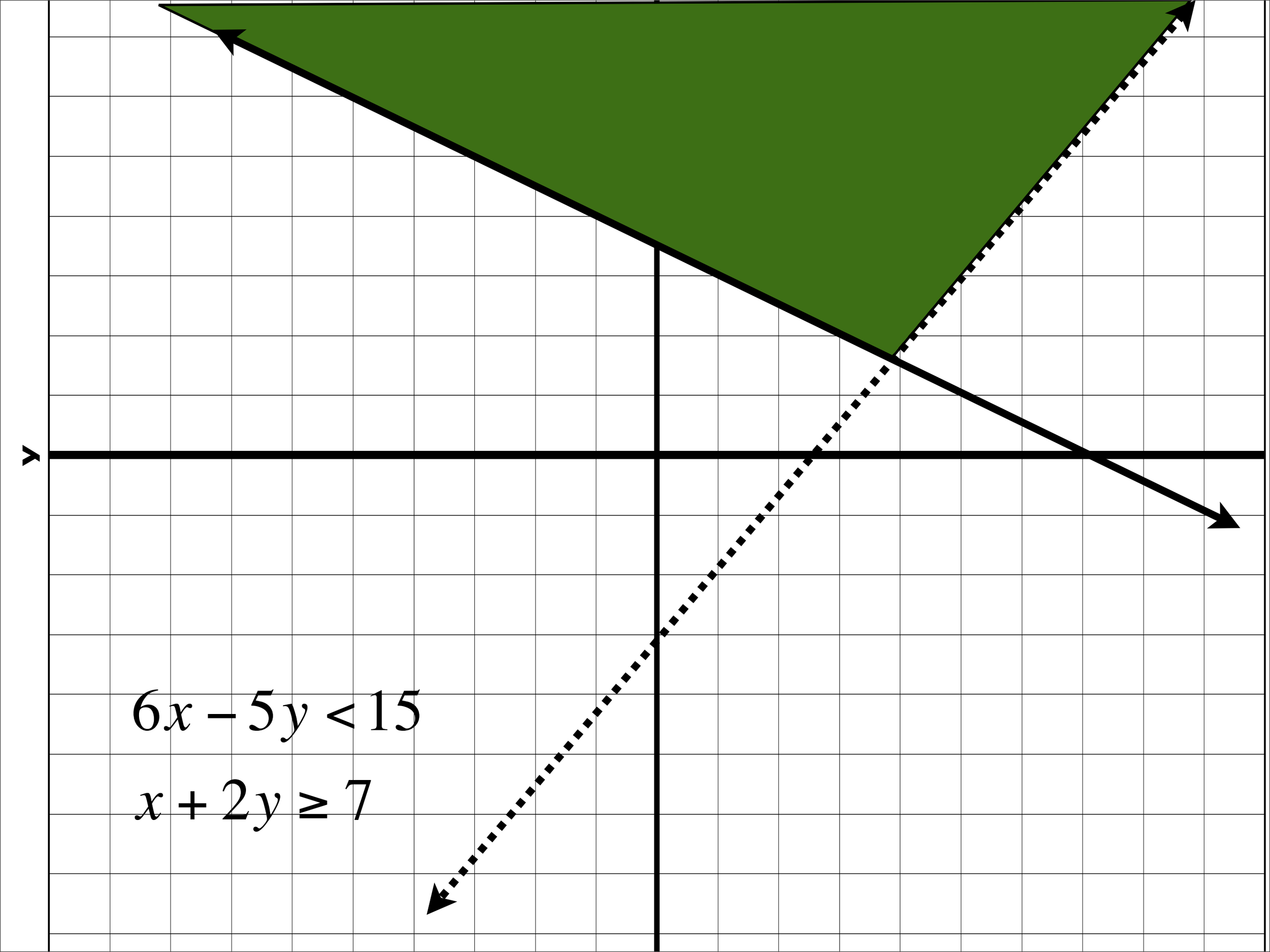

y
$y \leq -\frac{1}{3}x + 7$
$y \geq -x + 1$



$x + 2y \leq 10$

$x + 2y \geq 9$


y
$y \geq -x + 5$
$y \leq 3x - 4$


y
$6x - 5y < 15$
$x + 2y \geq 7$


EXIT


CSC
MILRAM
GARMIN
QUICK STEP


1003
3317
2163
USA
3152
1813


NAM H.J.
KOR

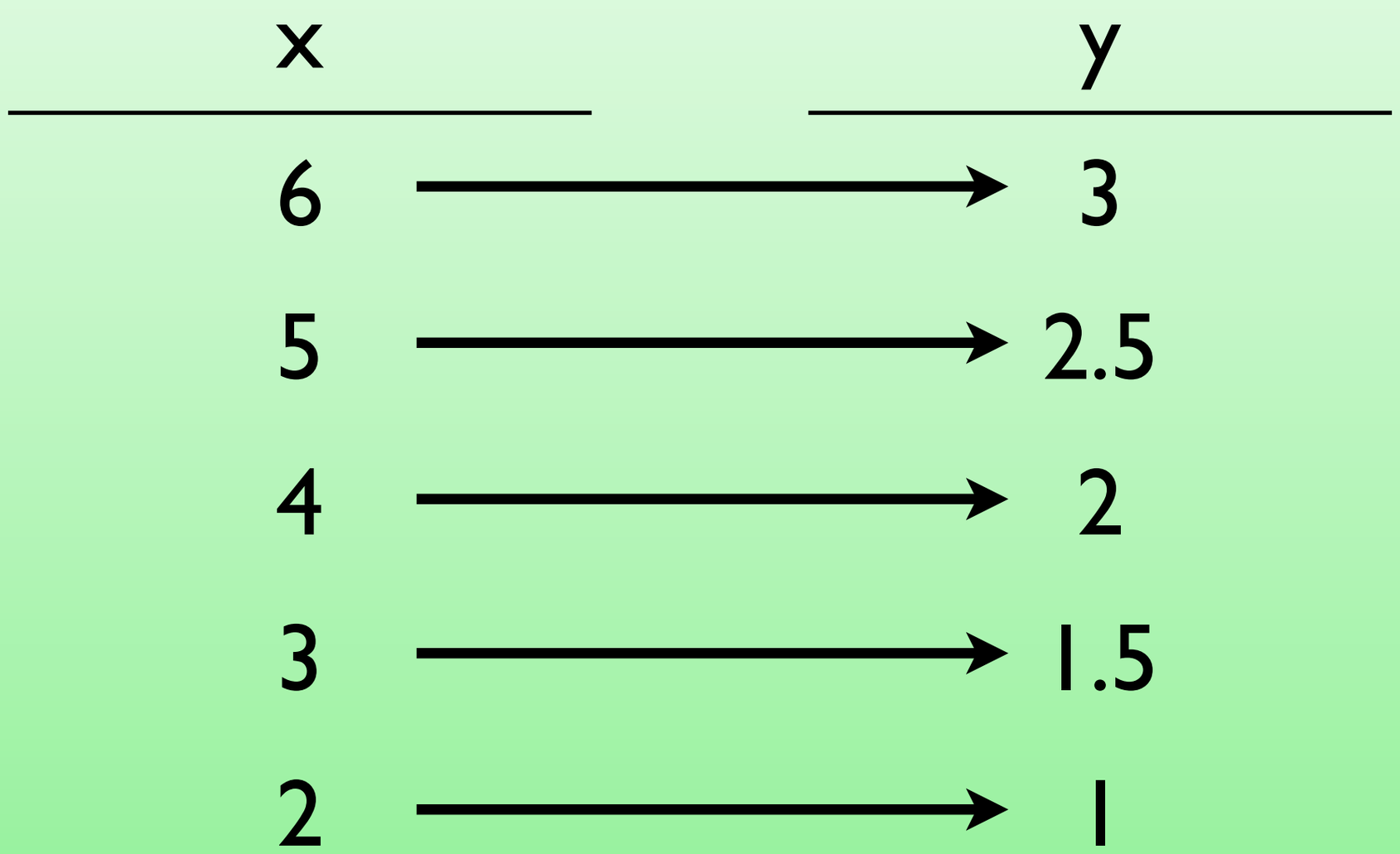
Monday, 1/05/09:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	79	**84**	**95**	**100**	**68**	**89**	89	**72**	80	53	37	**24**	29	33		67
Sixth	**100**	77	**95**	95	**68**	77	**91**	68	**95**	**64**	**73**	10	**41**	**35**		**71**

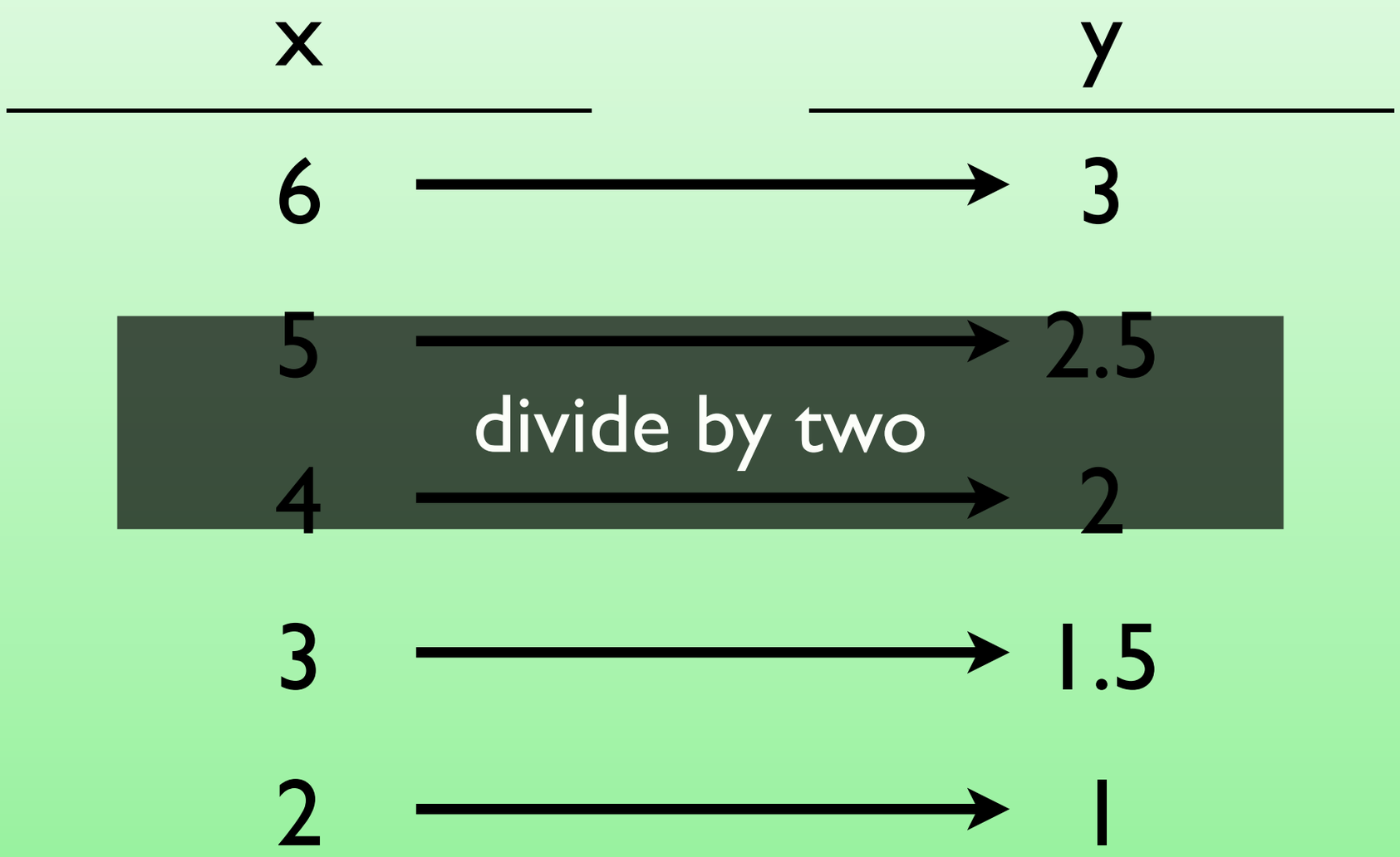
Monday, 1/13/09:

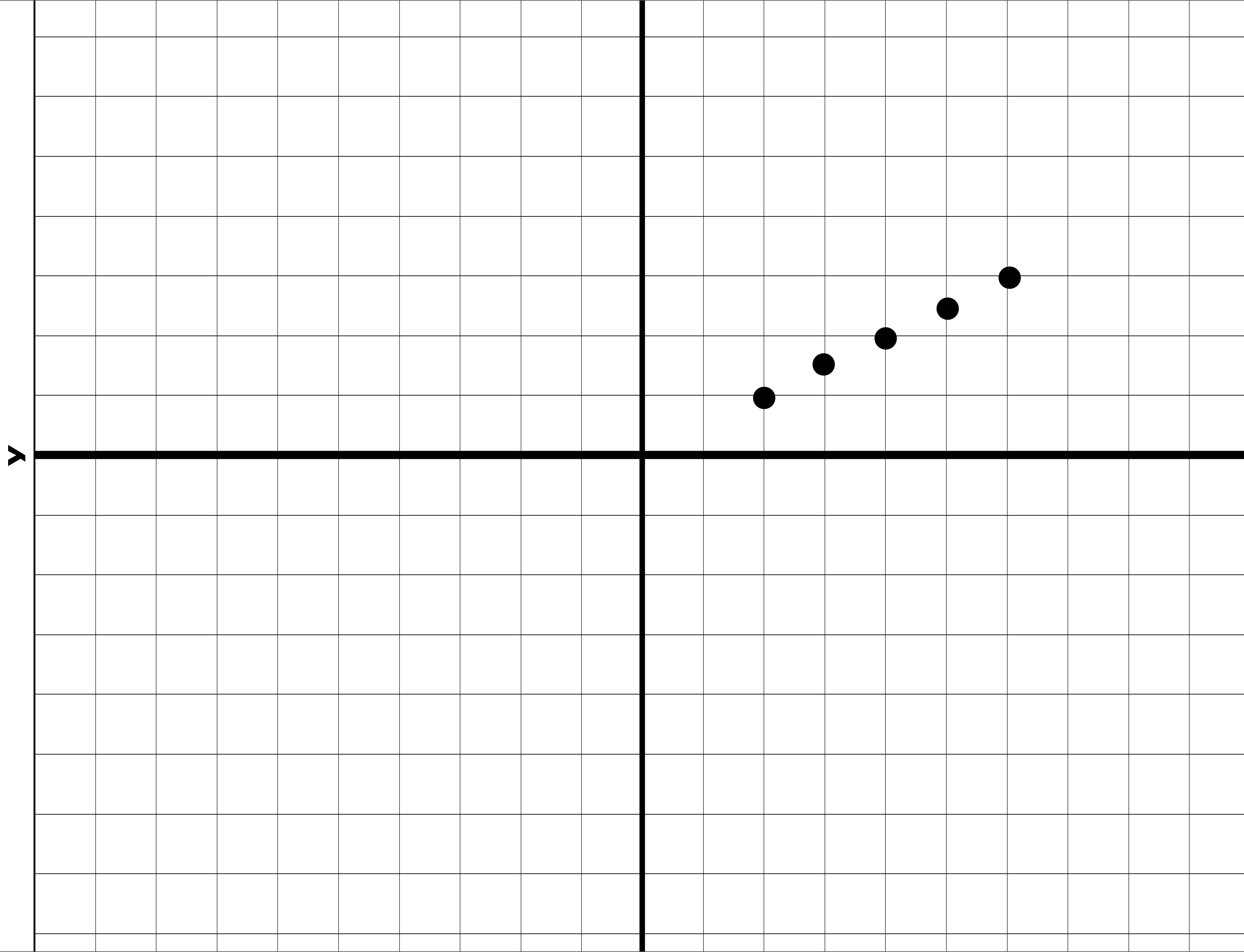
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	89	**84**	**95**	**100**	**68**	**89**	89	**72**	80	53	37	**24**	53	67		71
Sixth	**100**	82	**95**	95	**68**	77	**91**	68	**95**	**64**	**73**	14	**57**	**82**		**76**

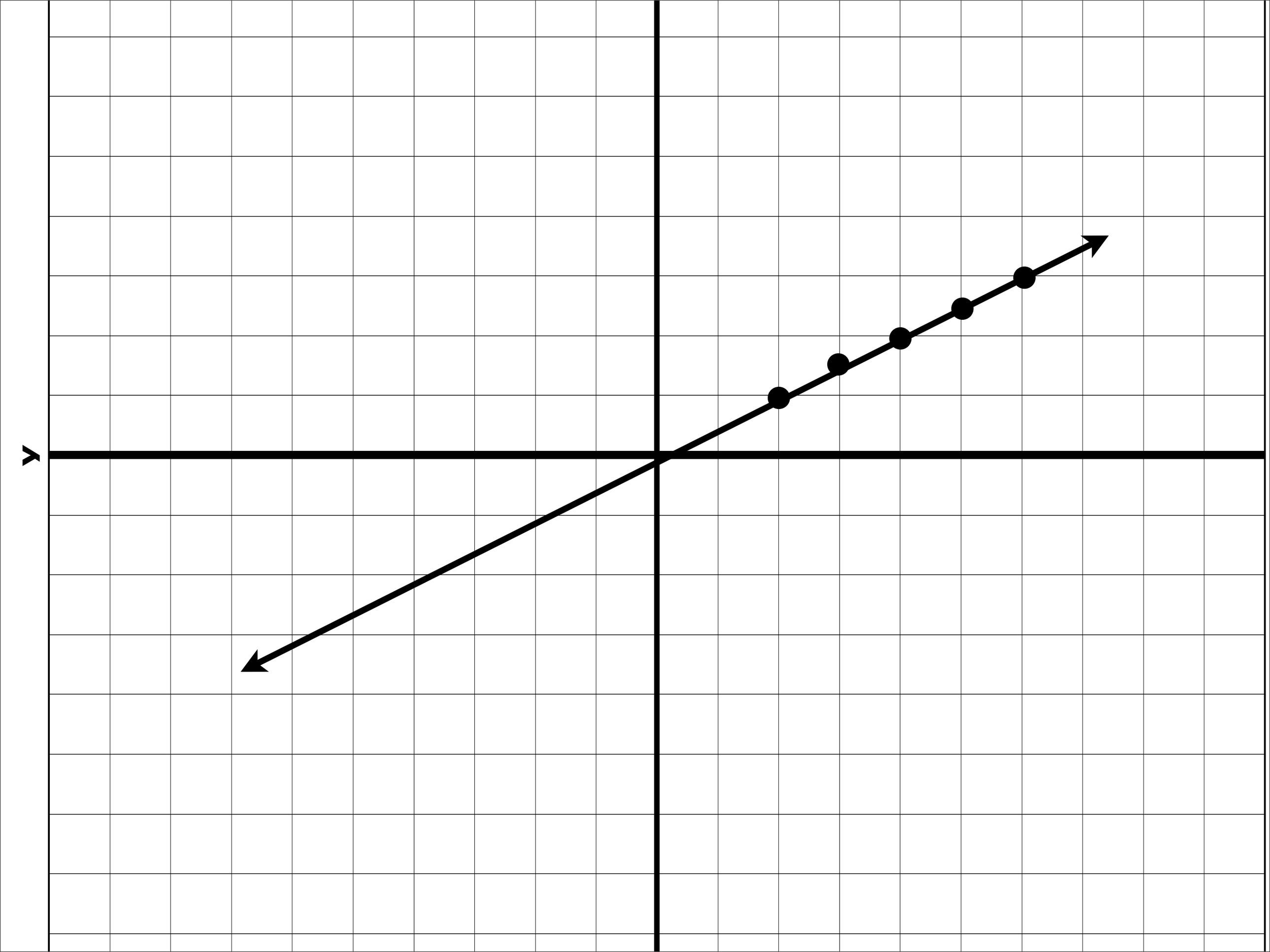
2. Relationships



2. Relationships




y

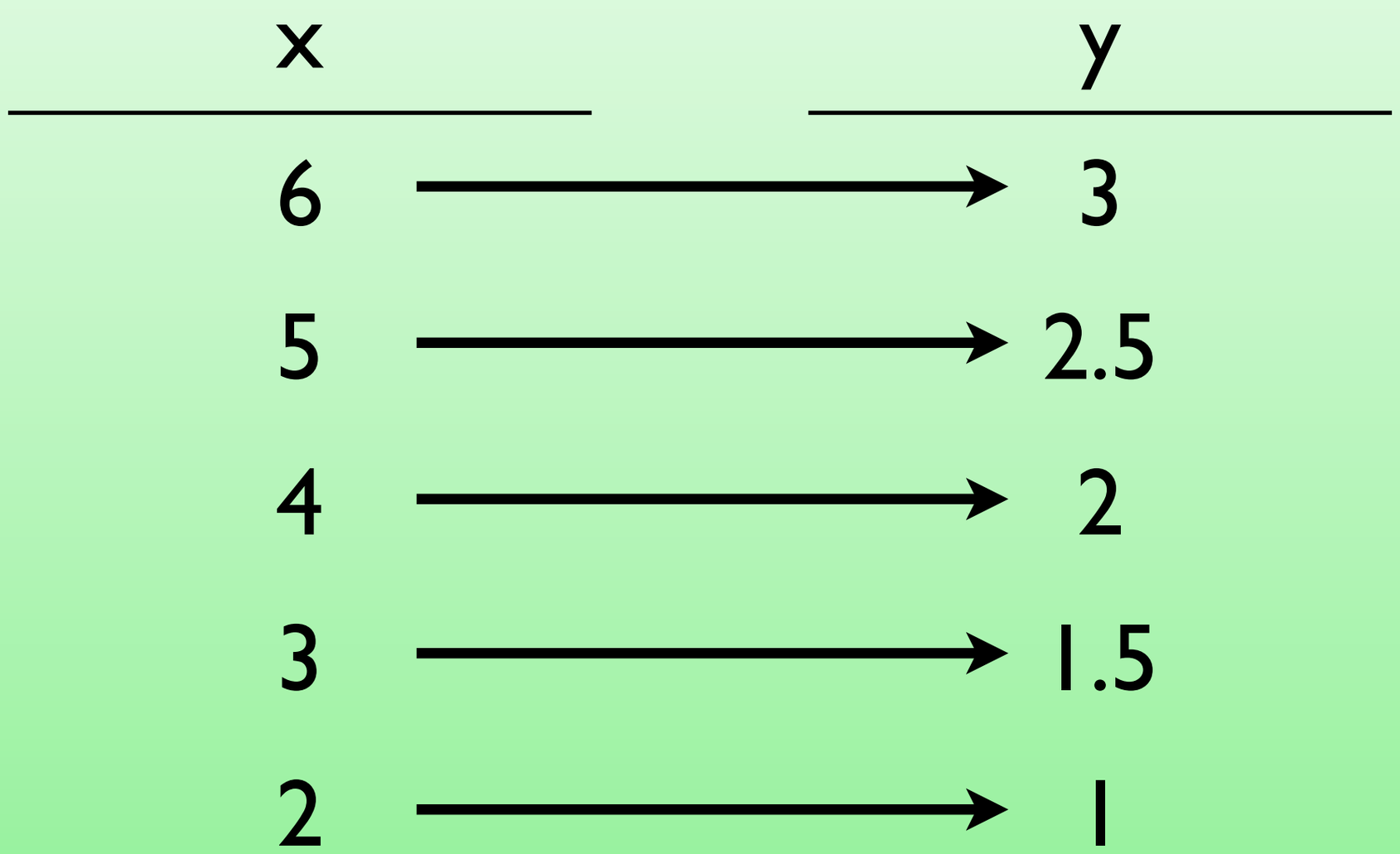

y

2. Relationships

x	y

{(6, 3) (5, 2.5) (4, 2) (3, 1.5) (2, 1)}

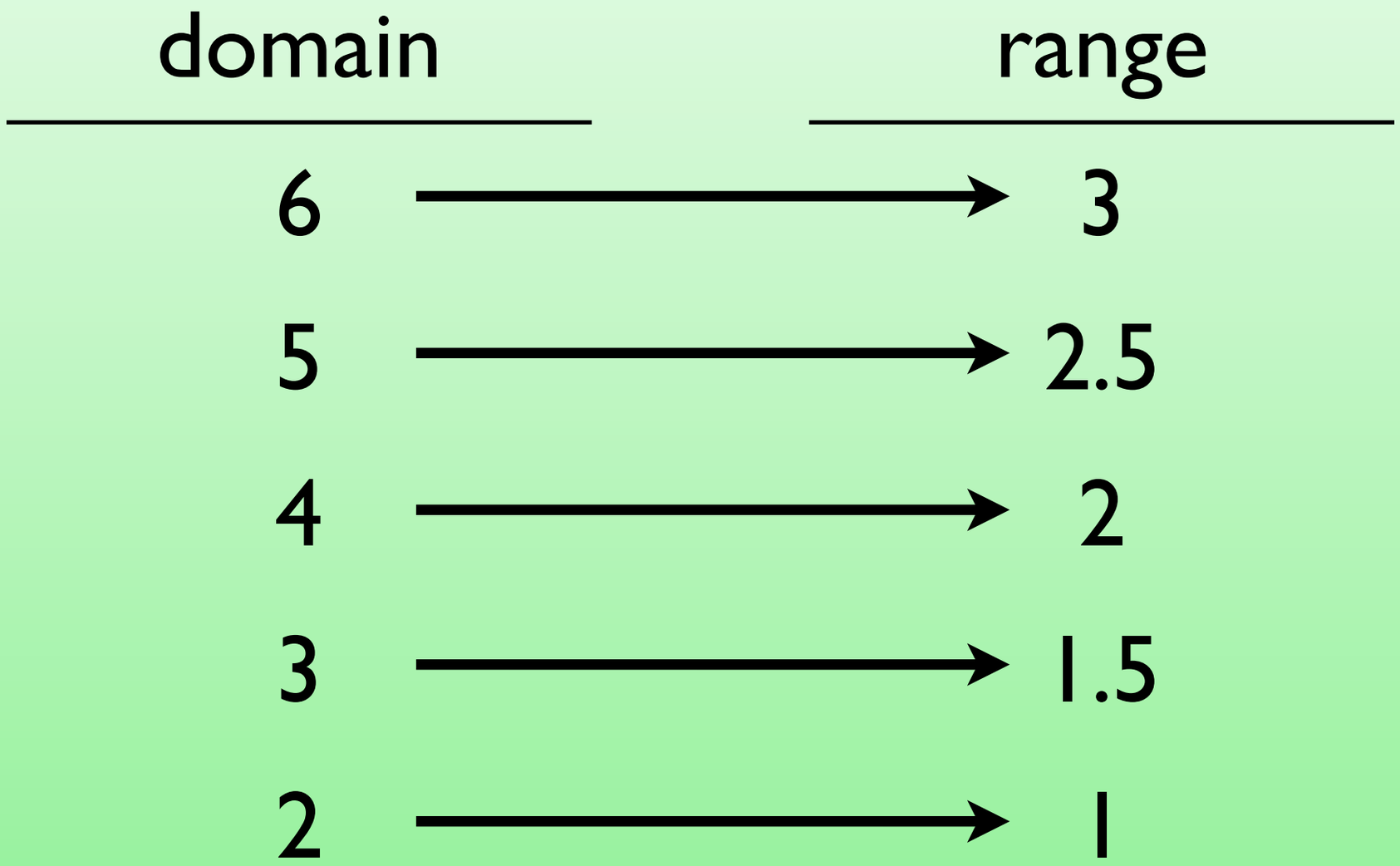
2. Relationships



2. Relationships

domain		y
6	→	3
5	→	2.5
4	→	2
3	→	1.5
2	→	1

2. Relationships



y

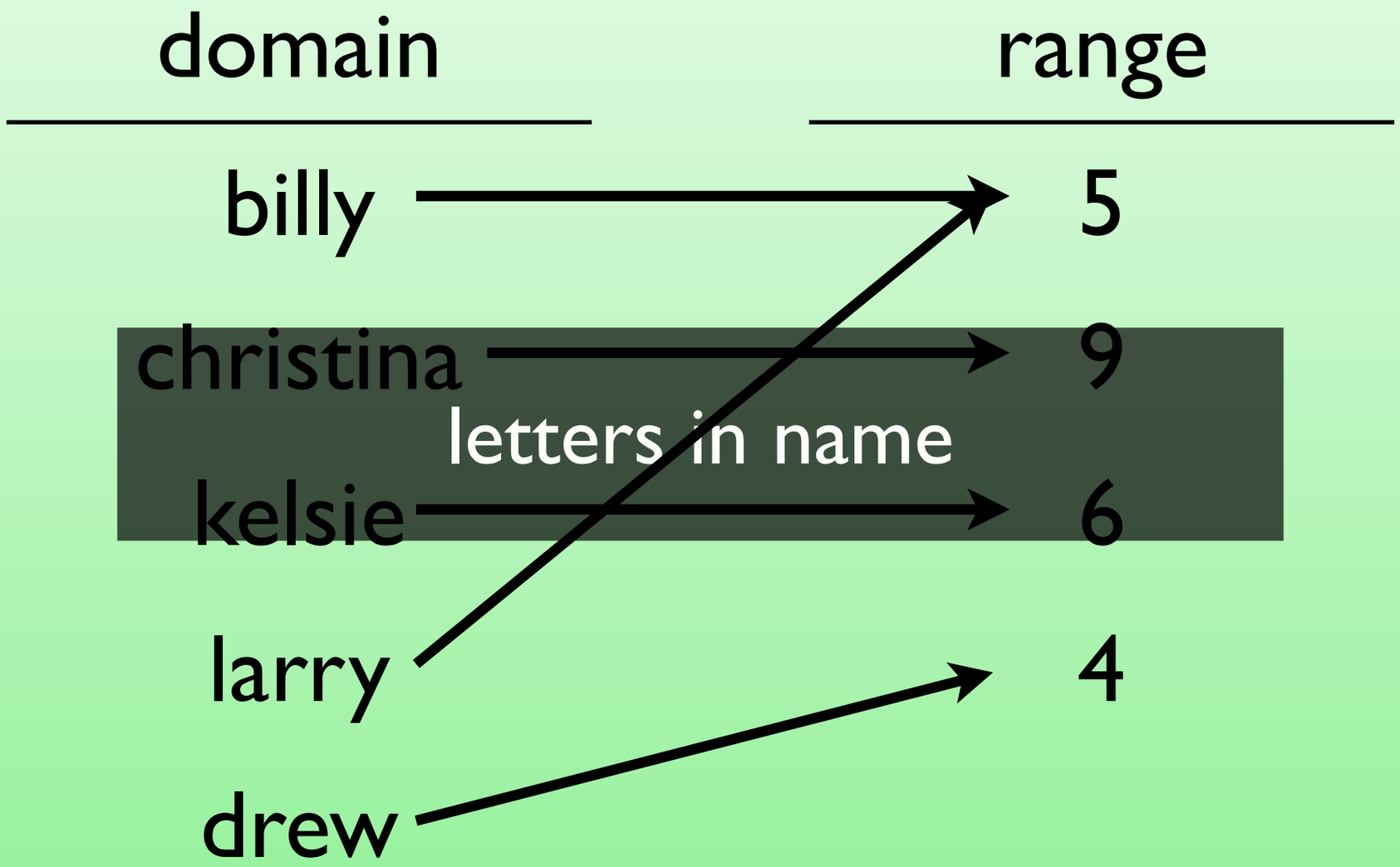
domain

y

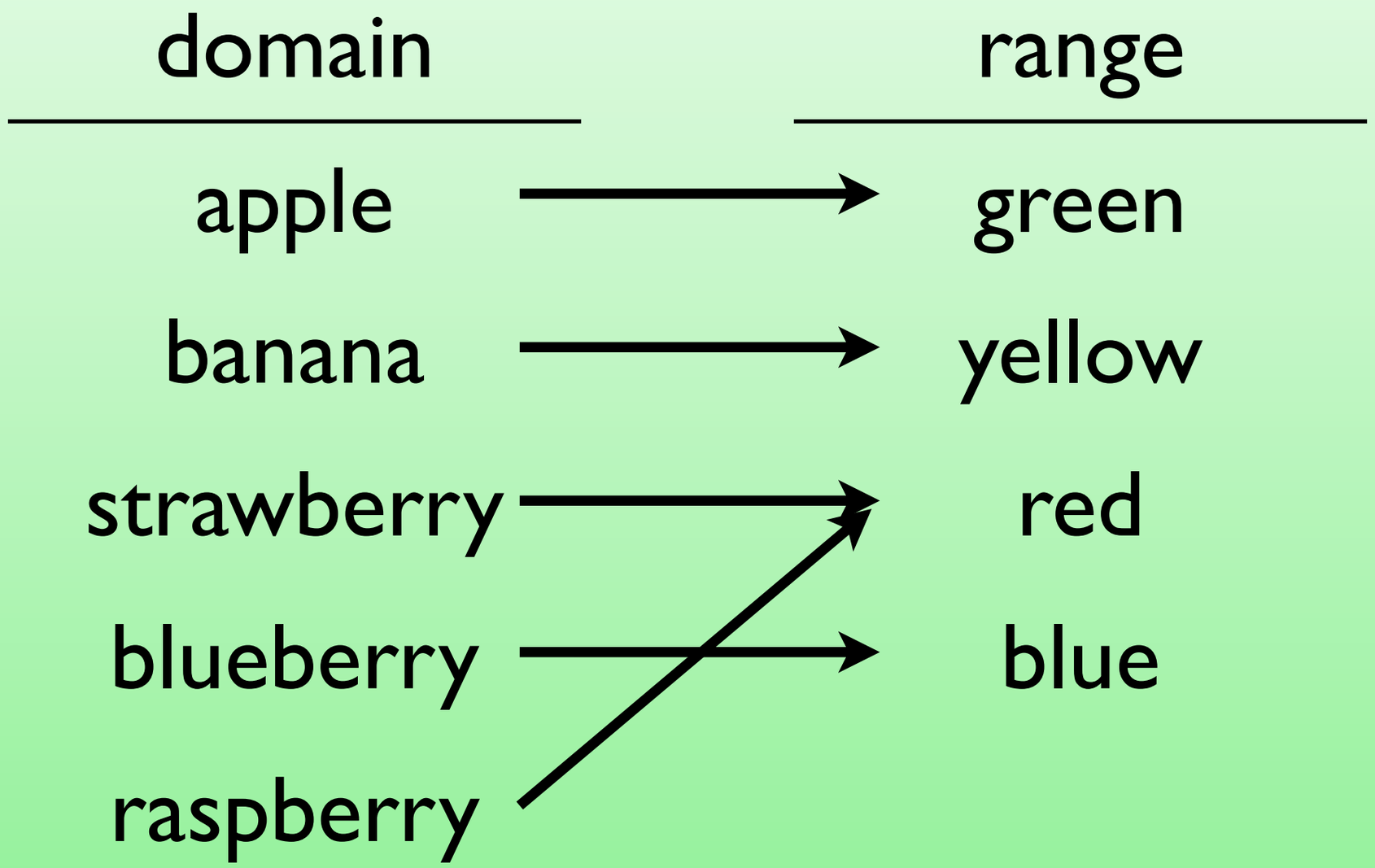
range

2. Relationships

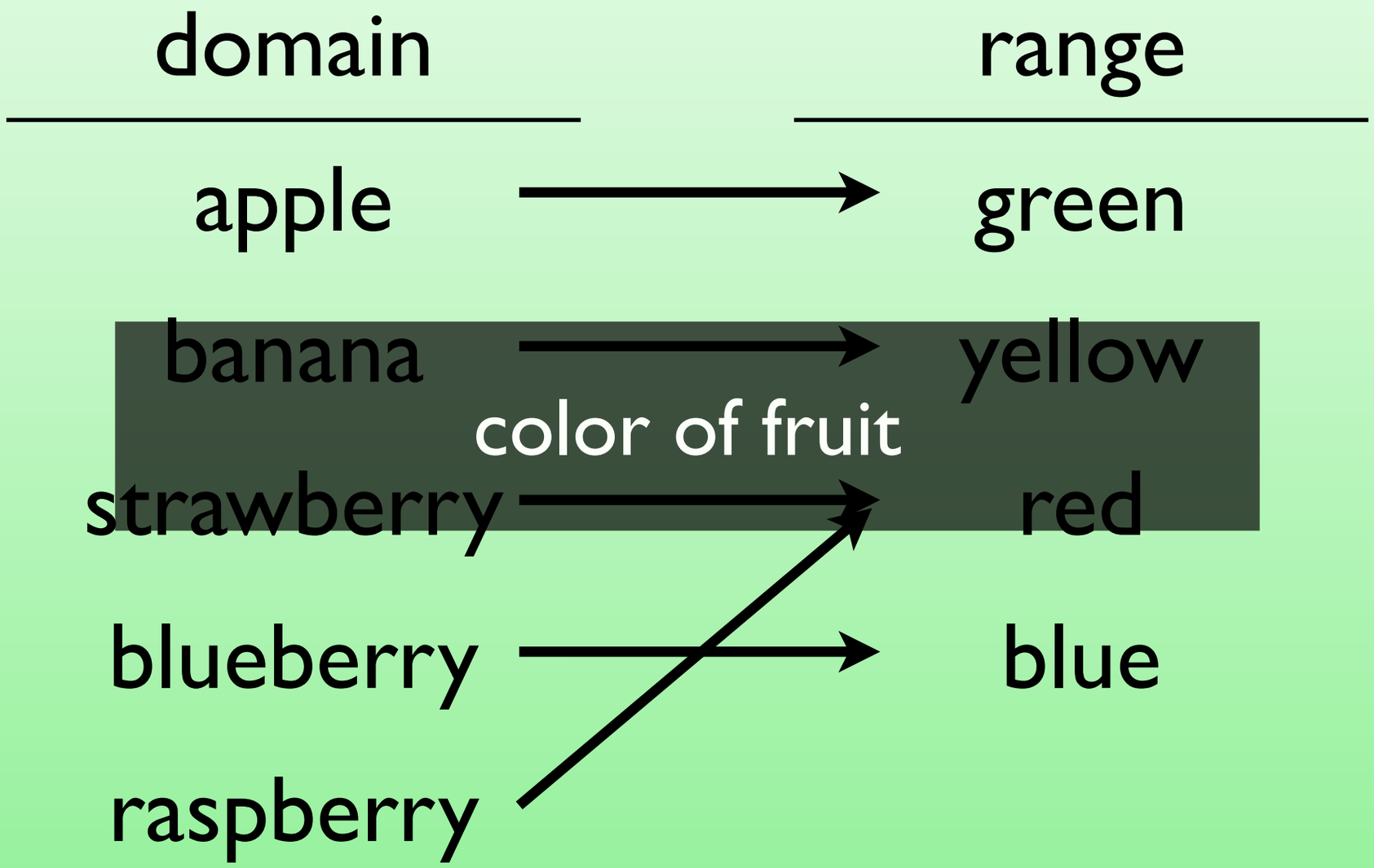
2. Relationships



2. Relationships



2. Relationships



A

B

C

D

2. Relationships

domain	range
	boy
	girl

2. Relationships

domain	range
	January
	June
	March
	October

2. Relationships

domain	range
	blue
	red
	black
	white

2. Relationships

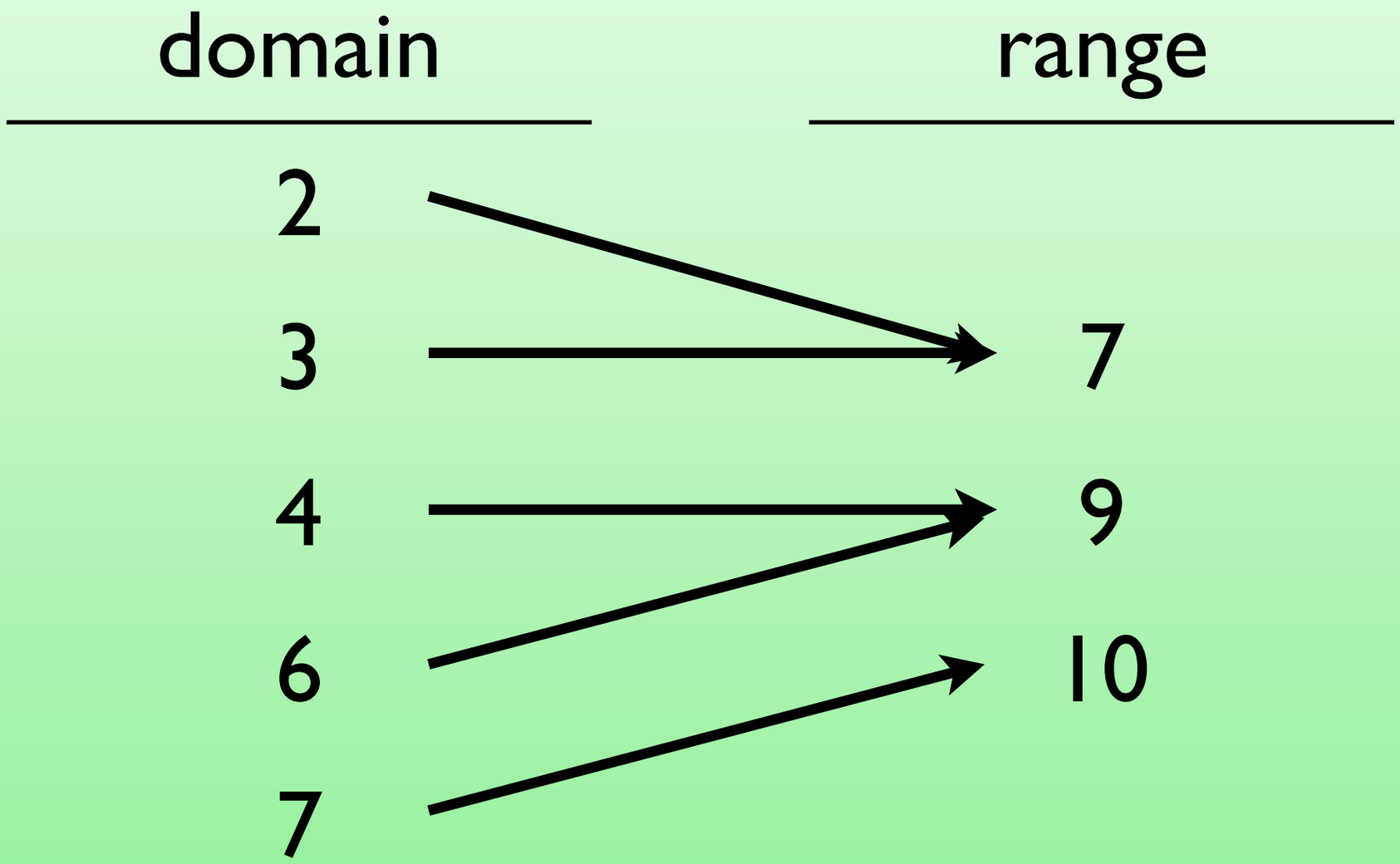
domain

range

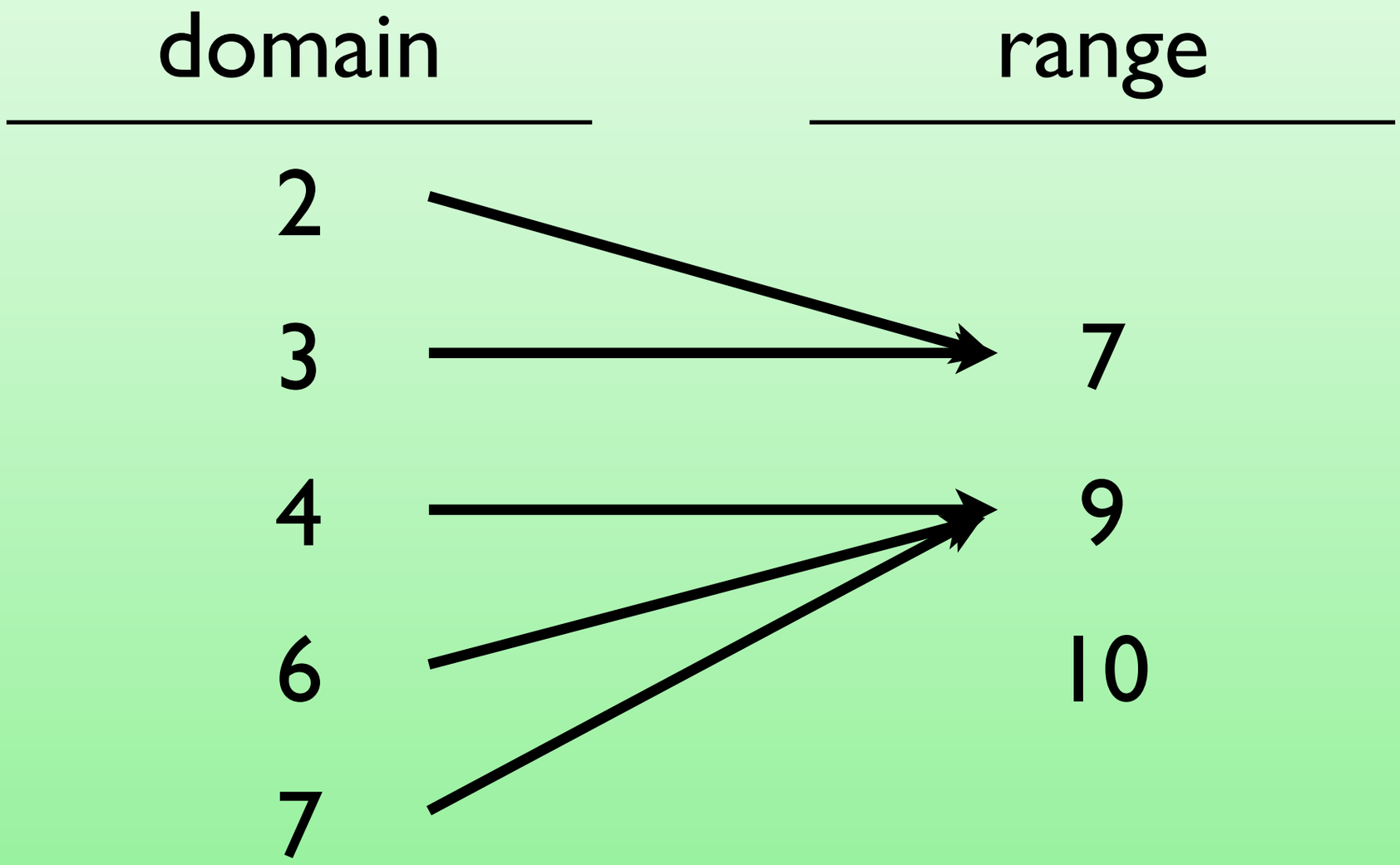
2. Relationships

domain	range
apple	green
banana	yellow
strawberry	red
blueberry	blue
raspberry	

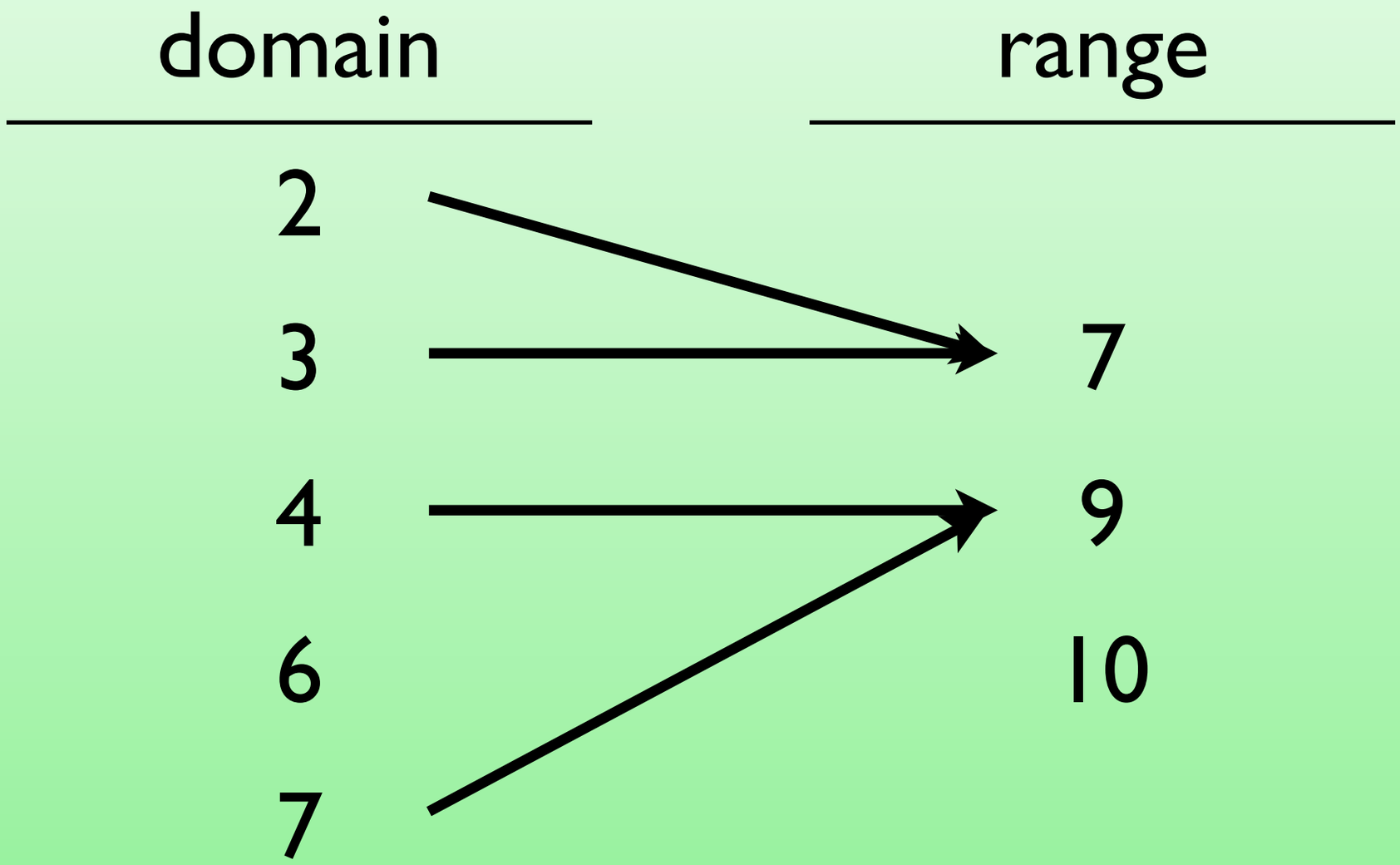
2. Relationships



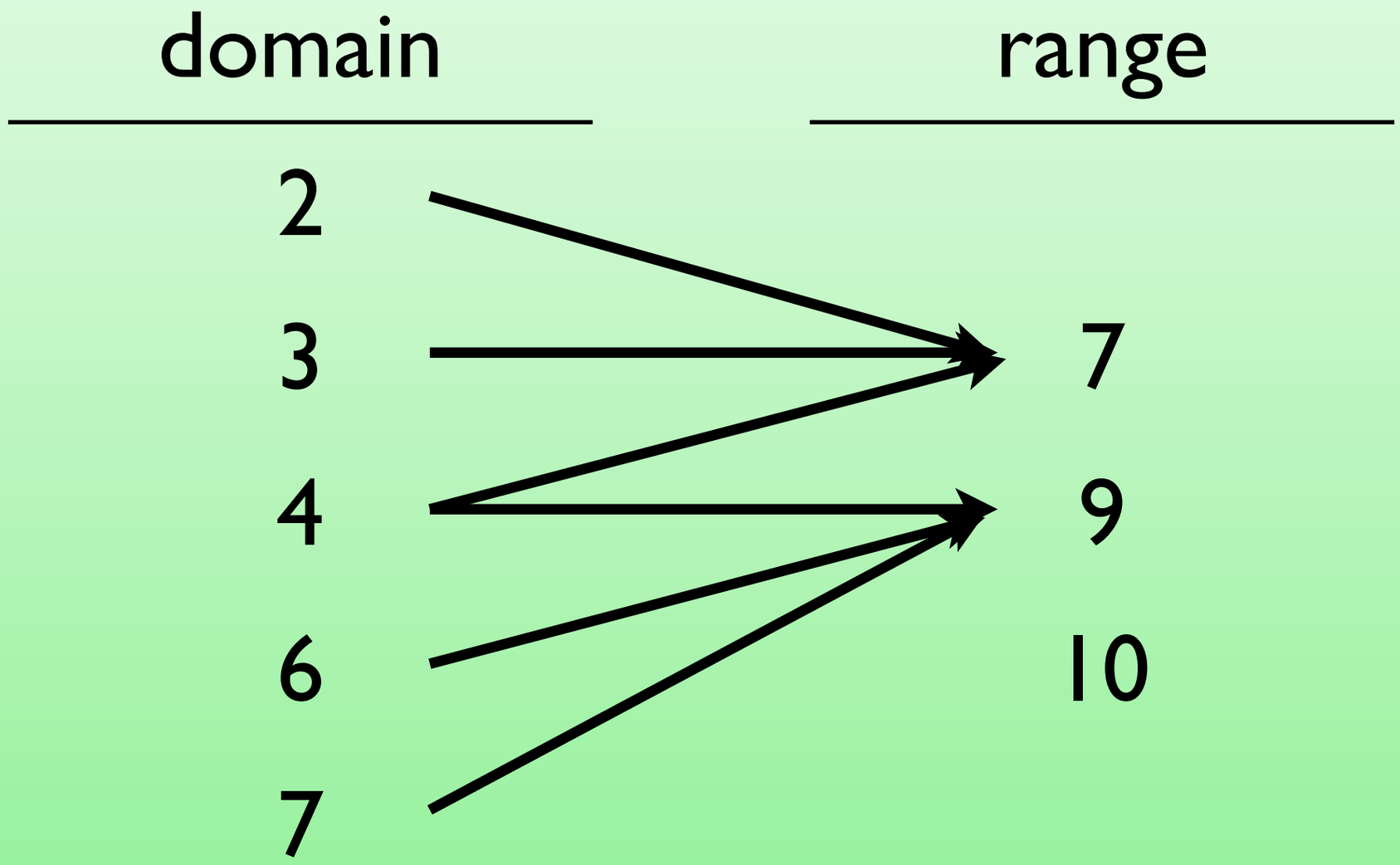
2. Relationships



2. Relationships



2. Relationships



2. Relationships

domain _____ range _____

{(2,5) (4, 7) (-2, 6) (2, 3) (5,9)}

2. Relationships

domain	range

{(6,2) (7, 2) (8, 2) (9, 2)}

2. Relationships

domain	range

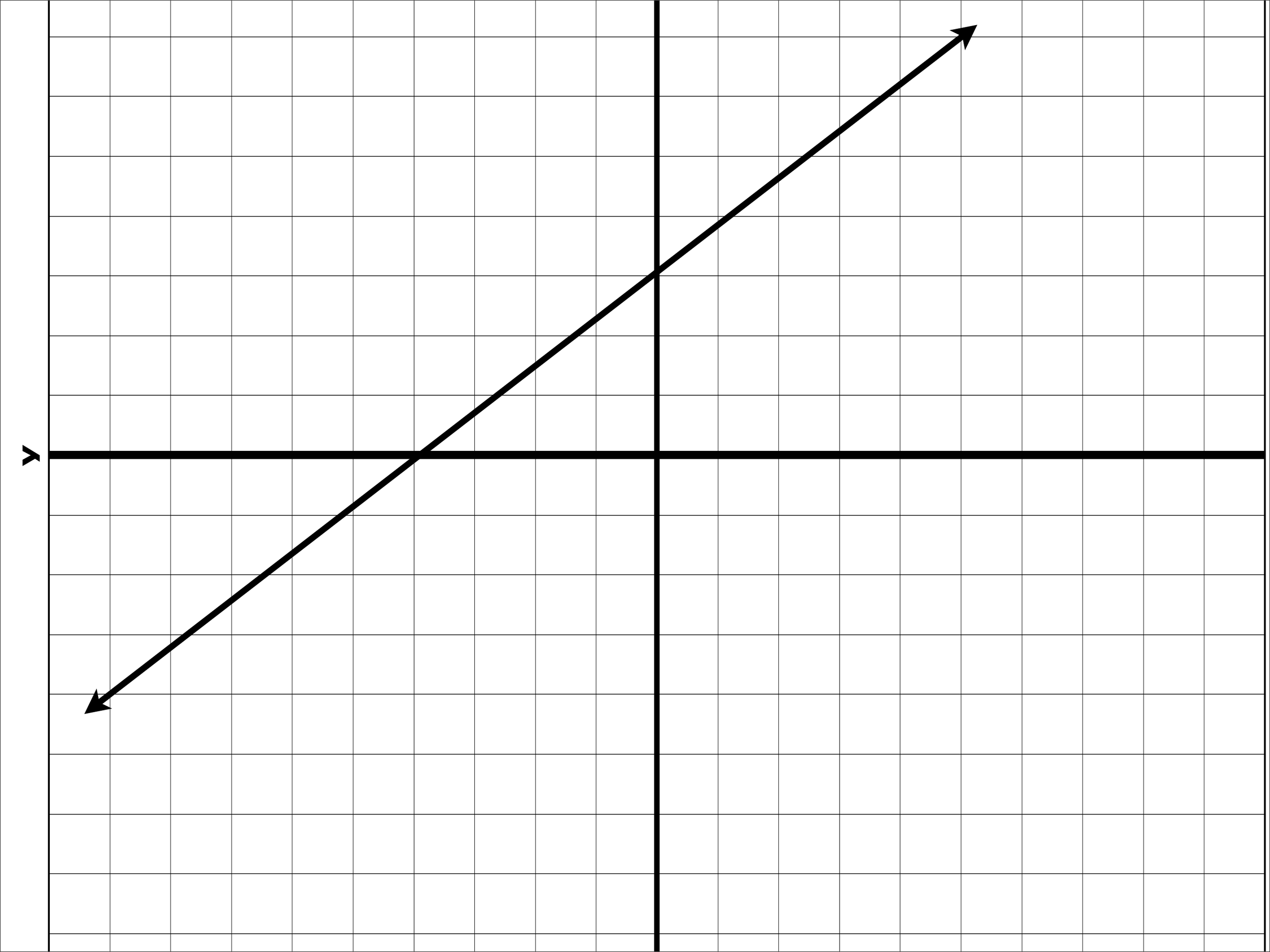
{(10, 3) (10, 4) (10, 5) (9, 2)}

3. Classwork

4. Break

5. Show and Tell


TODAY
EXCLUSIVE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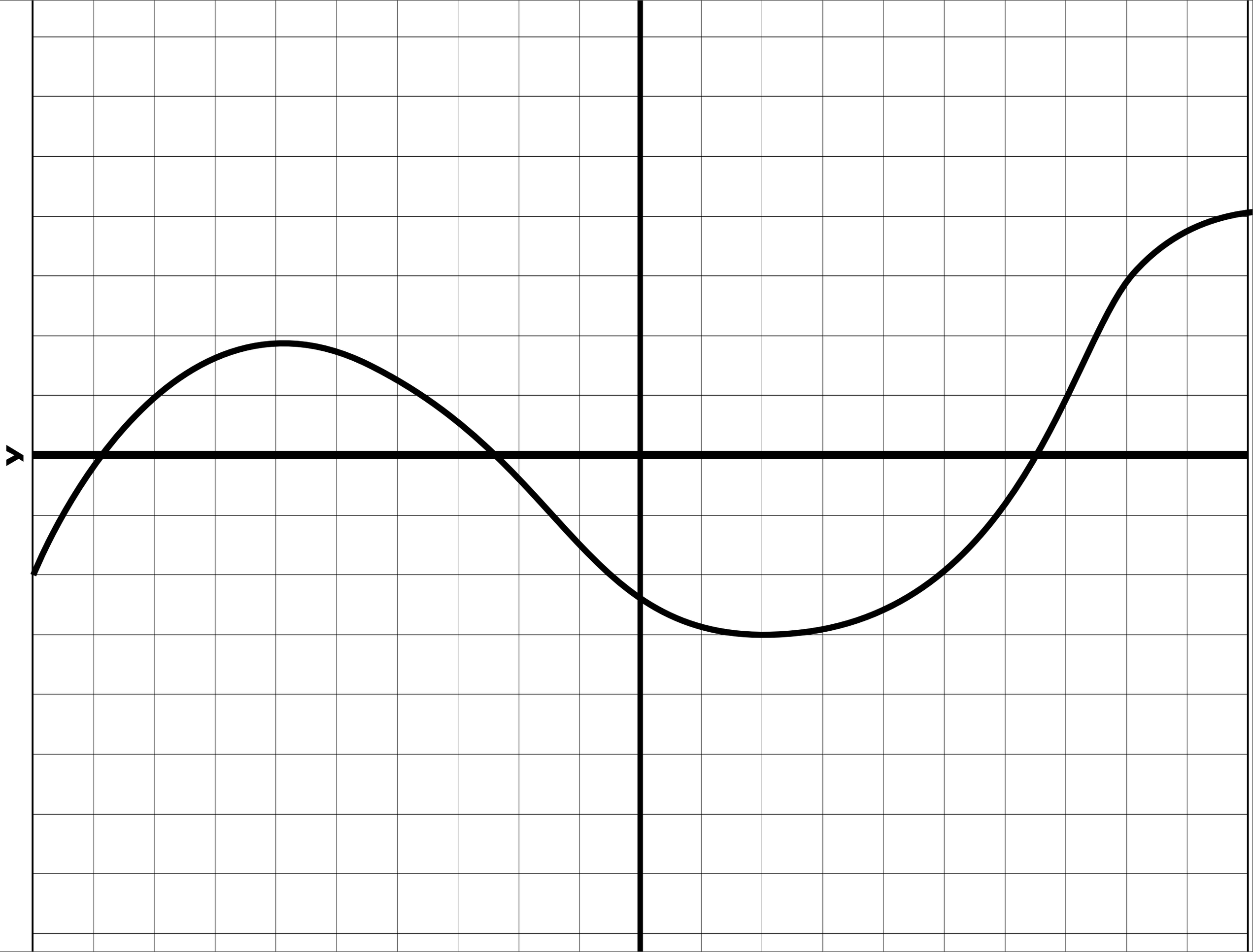
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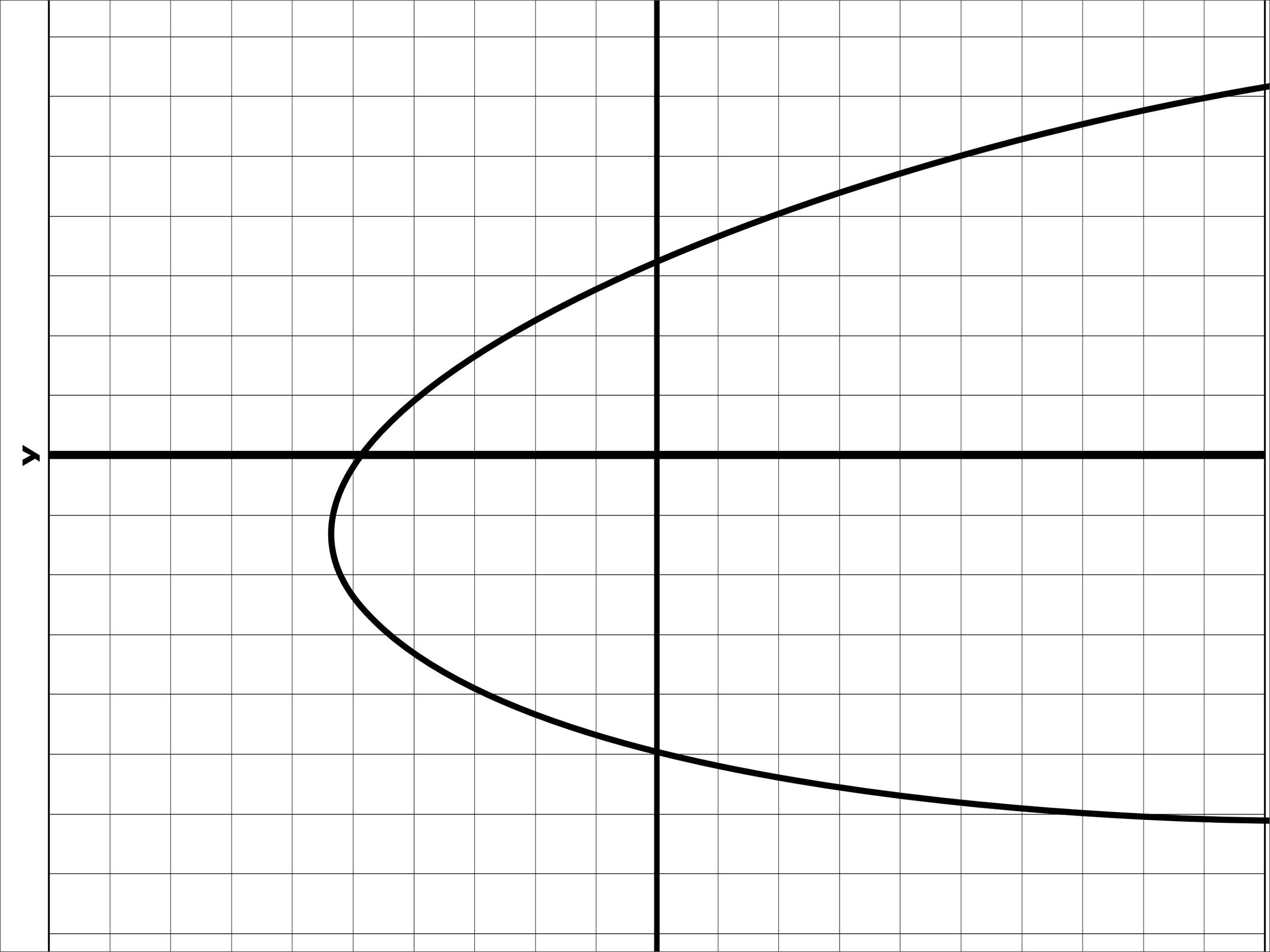
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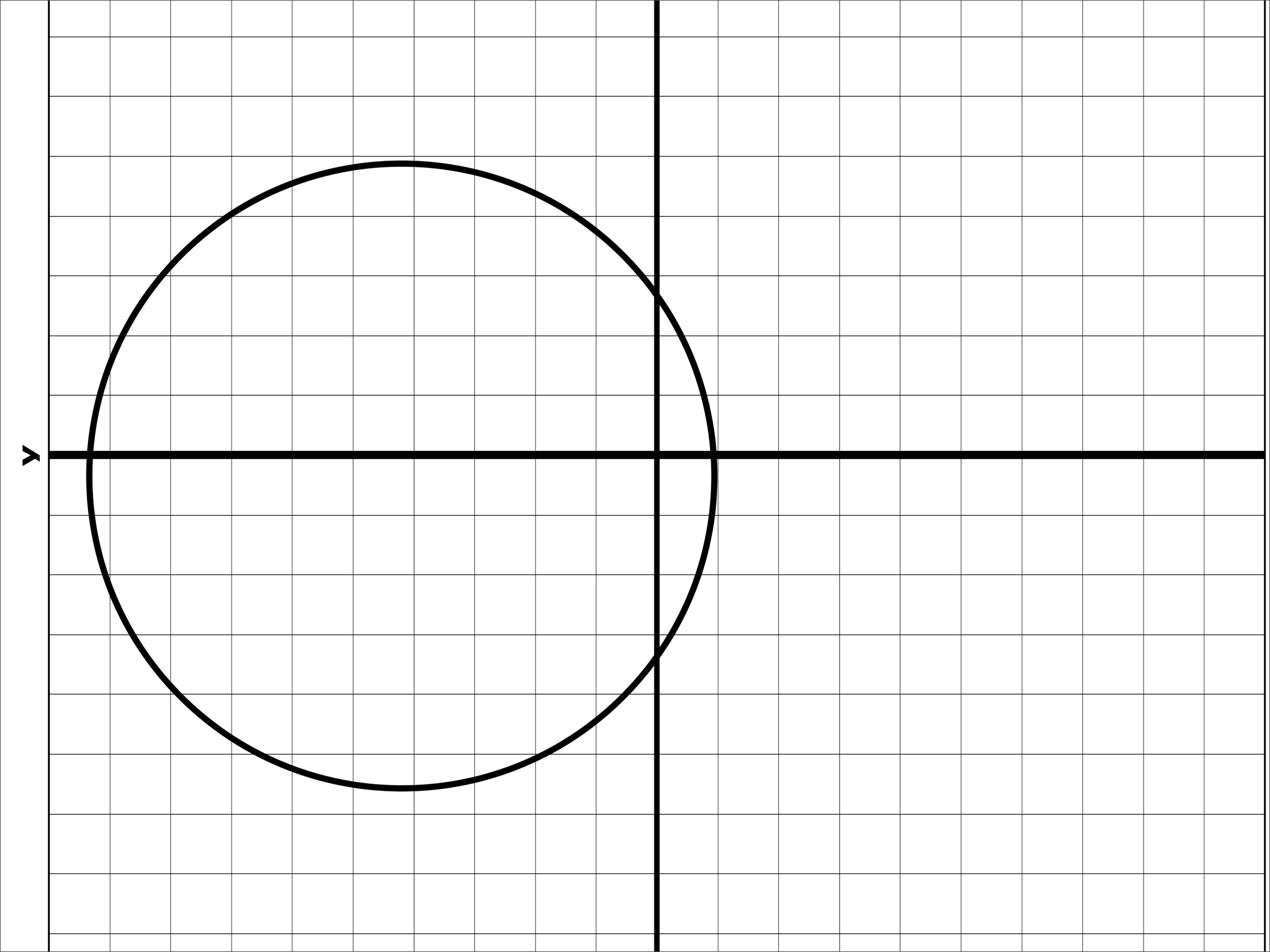
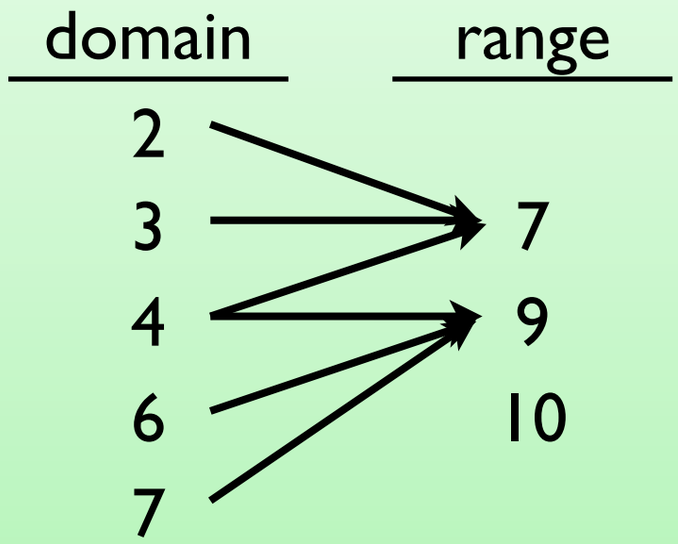

y

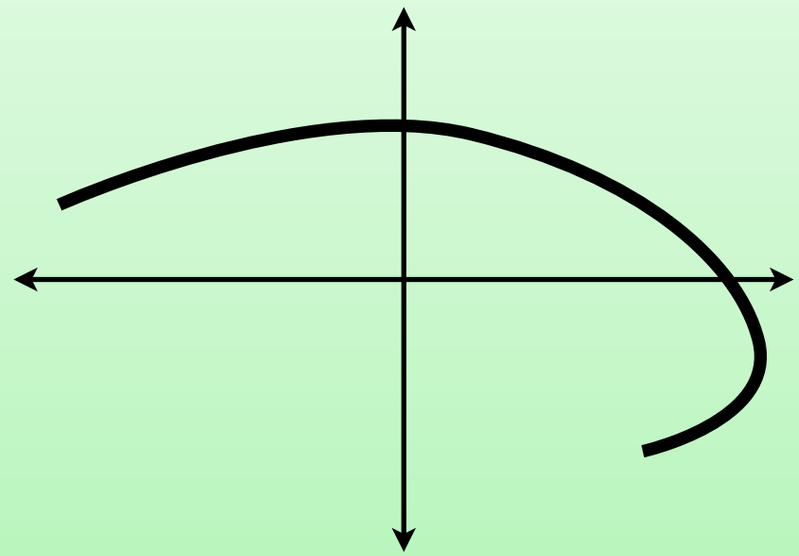
7. Classwork

Monday, 1/13/09:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	89	**84**	**95**	**100**	**68**	**89**	89	**72**	80	53	37	**24**	53	67		71
Sixth	**100**	82	**95**	95	**68**	77	**91**	68	**95**	**64**	**73**	14	**57**	**82**		**76**

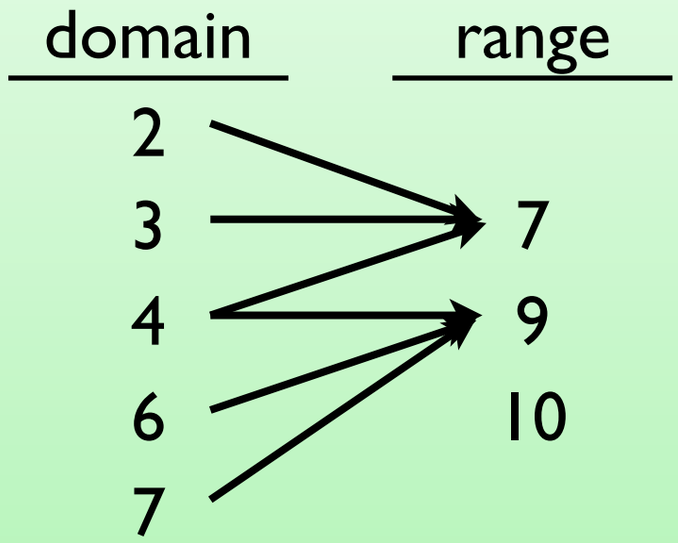
Day 48

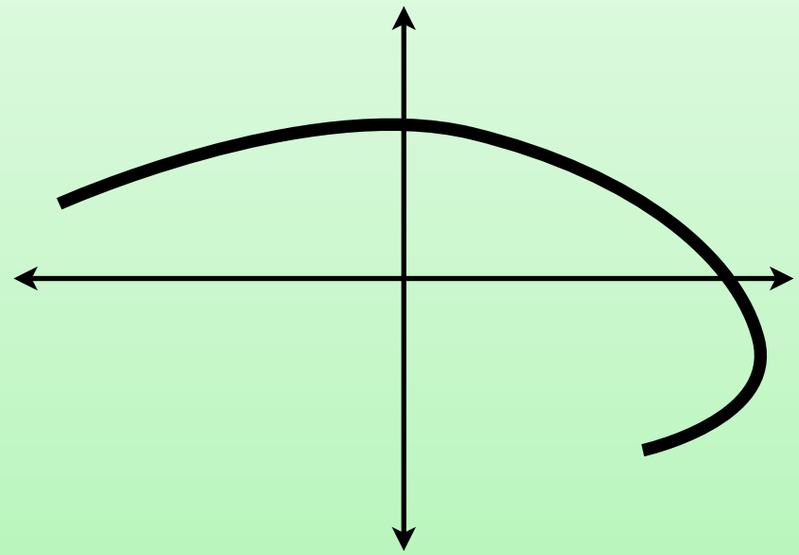




Day 48

1. Opener

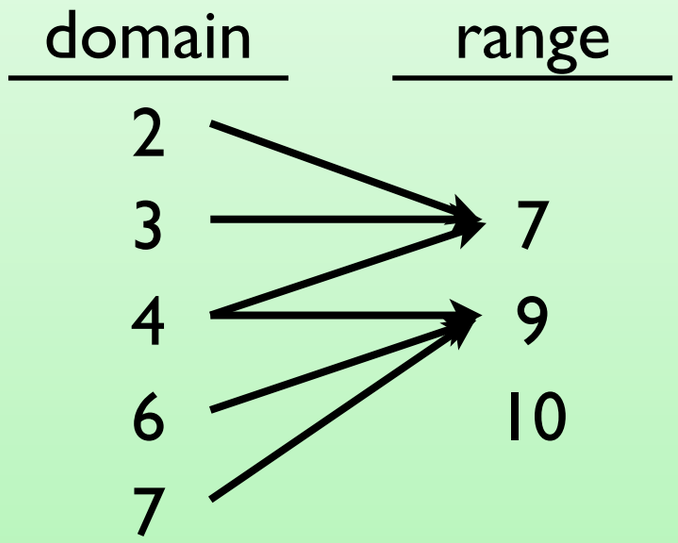


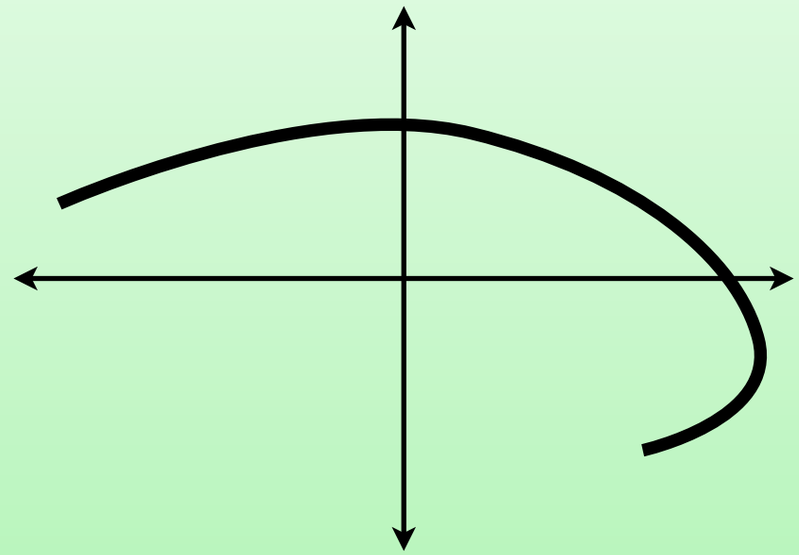


Day 48

1. Opener

Are these functions?



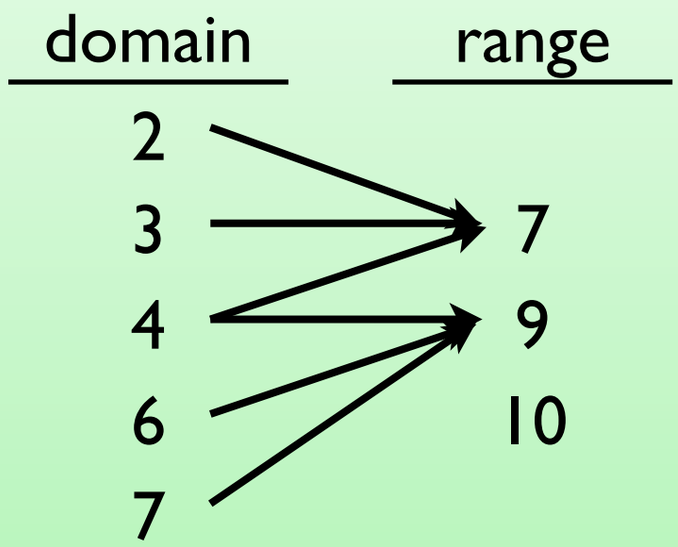


Day 48

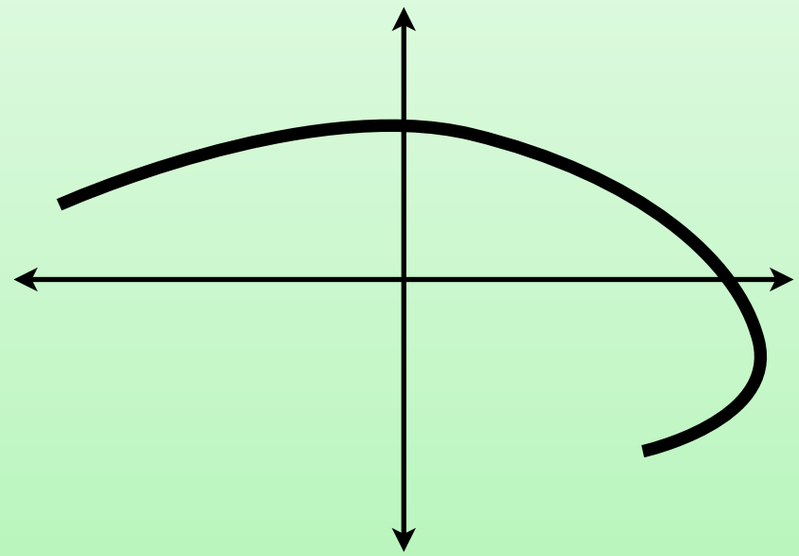
1. Opener

Are these functions?

a)



b)

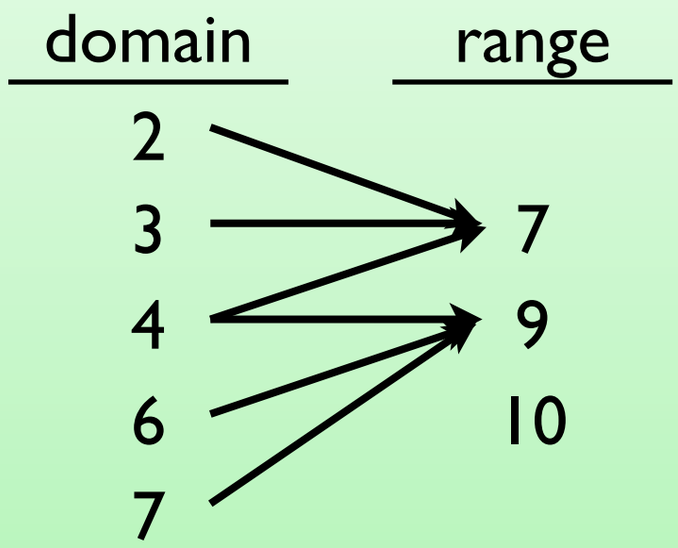


Day 48

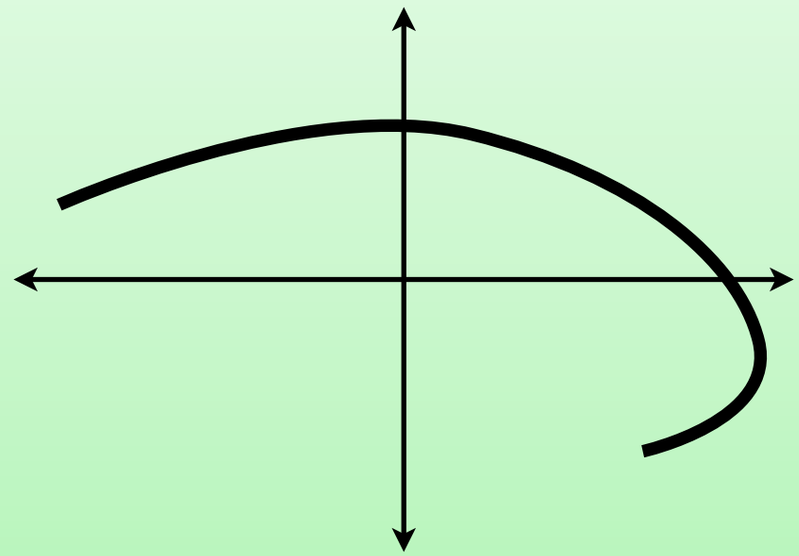
1. Opener

Are these functions?

a)



b)



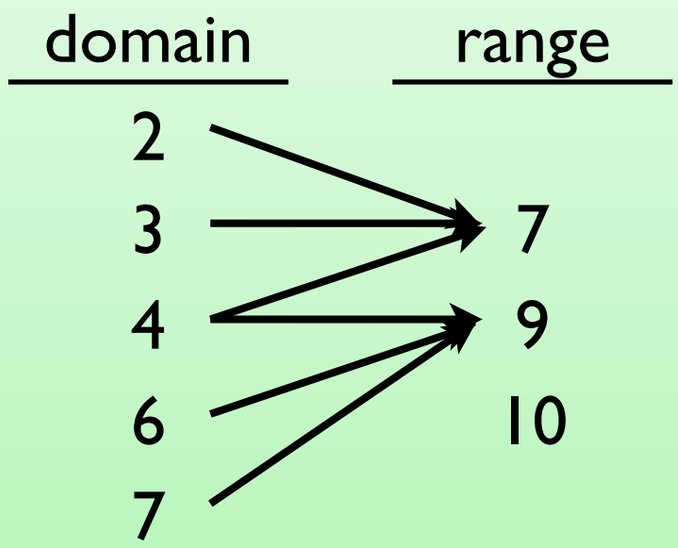
c) First letters of first name.

Day 48

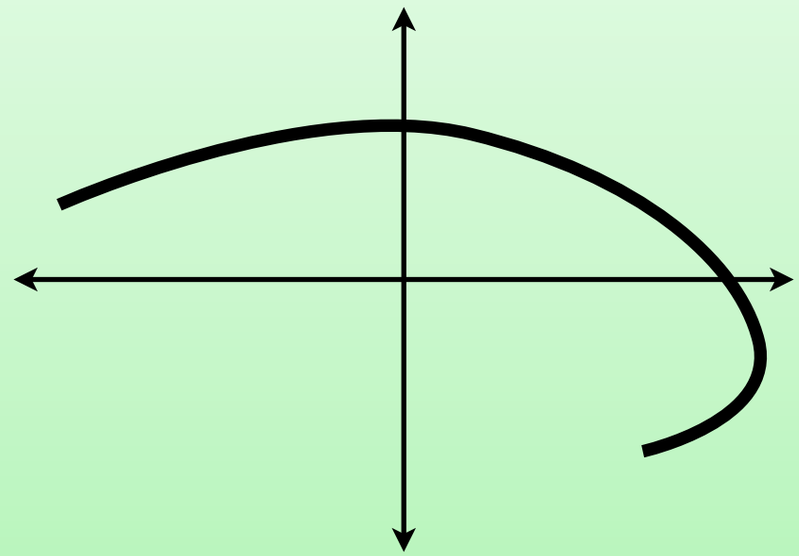
1. Opener

Are these functions?

a)



b)



c) First letters of first name.

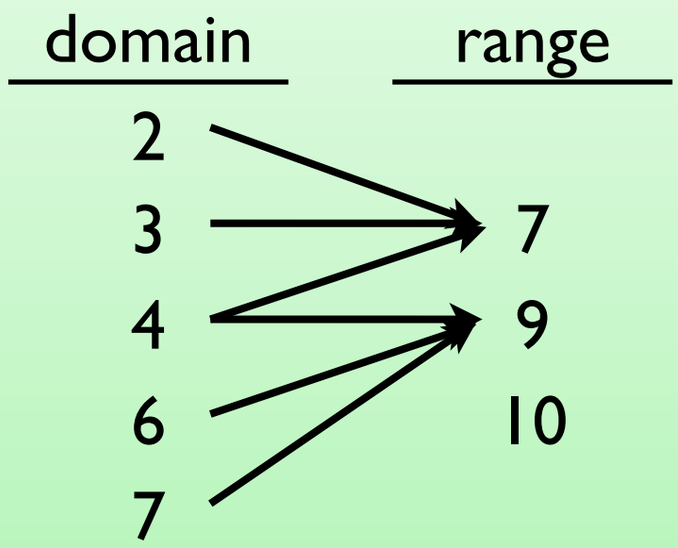
d) Middle names.

Day 48

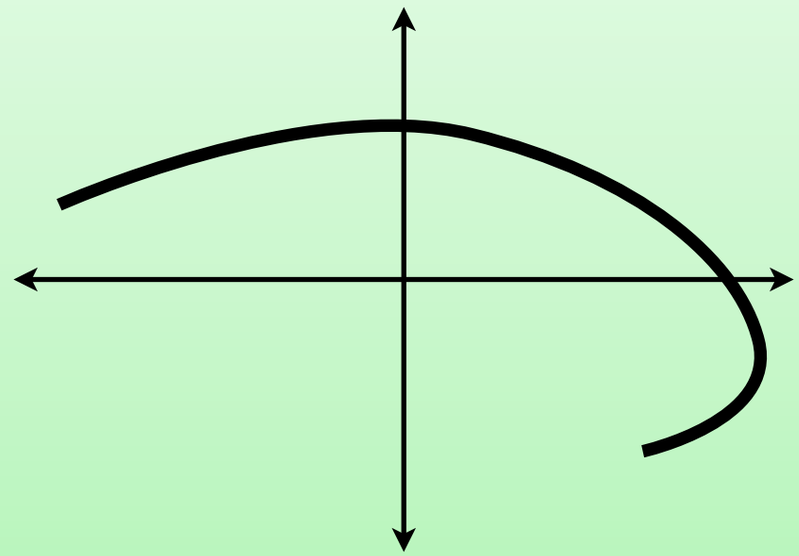
1. Opener

Are these functions?

a)



b)



c) First letters of first name.

d) Middle names.

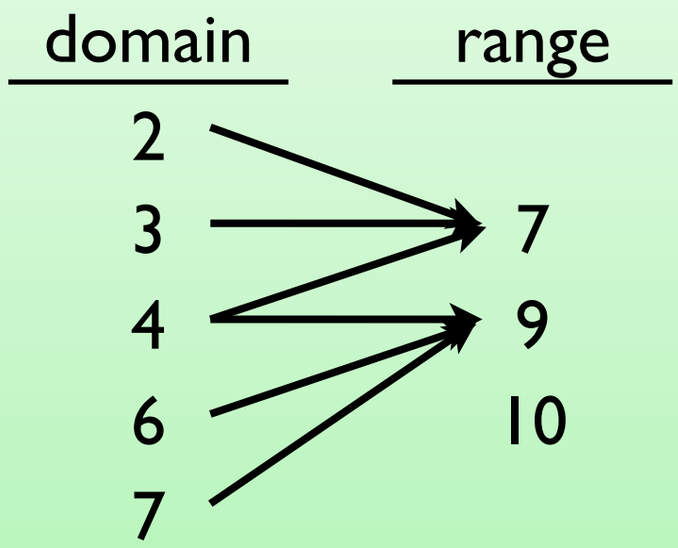
e) What is the range here: {(-2, 3), (5, 1), (-2, 7), (-3, 8)}

Day 48

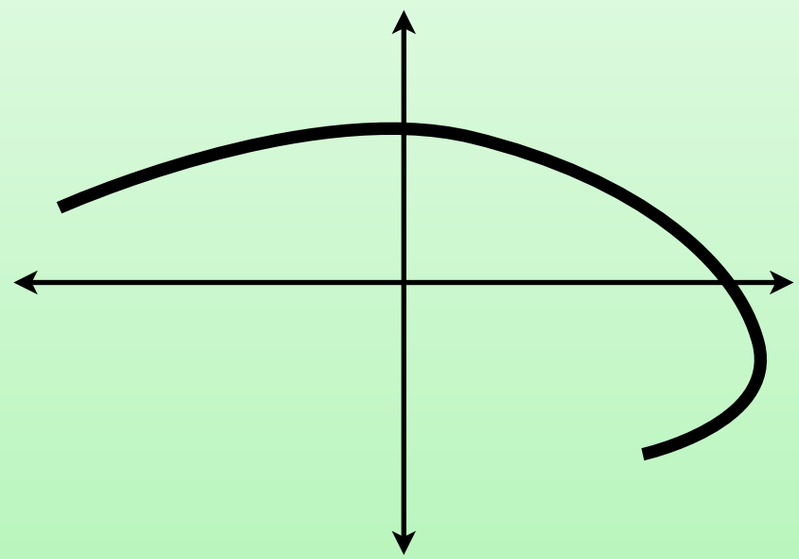
1. Opener

Are these functions?

a)



b)



c) First letters of first name.

d) Middle names.

e) What is the range here: {(-2, 3), (5, 1), (-2, 7), (-3, 8)}

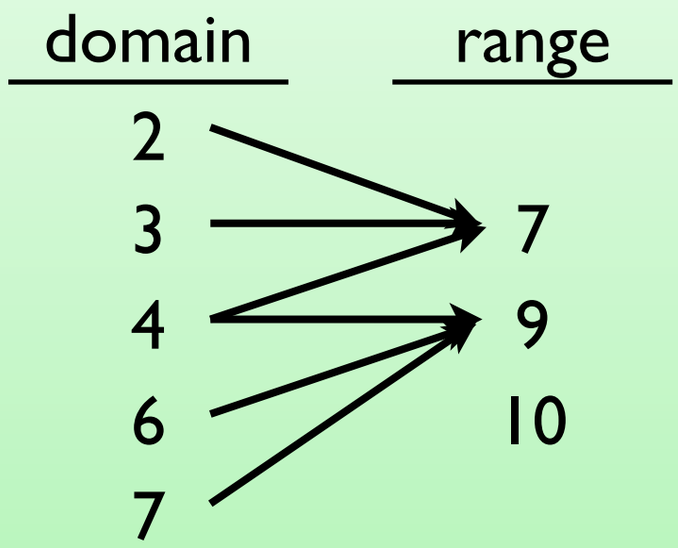
f) Give a line perpendicular to: 2y - x = 7

Day 48

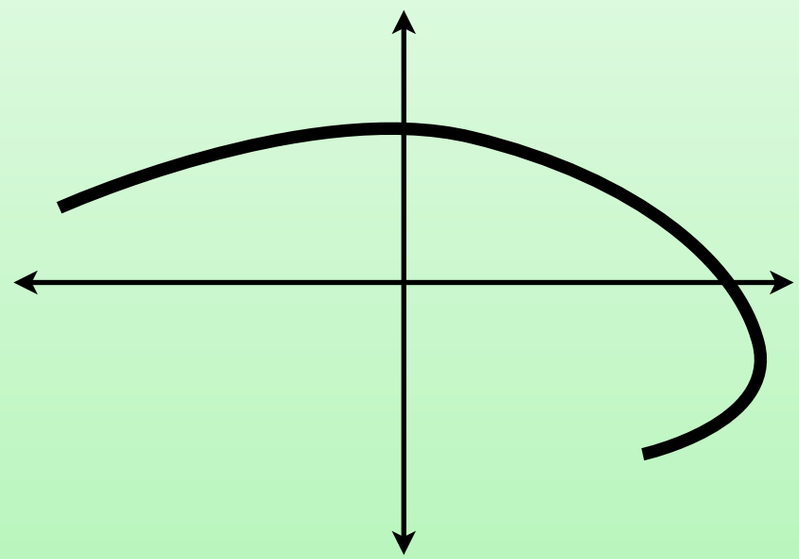
1. Opener

Are these functions?

a)



b)



c) First letters of first name.

d) Middle names.

e) What is the range here: {(-2, 3), (5, 1), (-2, 7), (-3, 8)}

f) Give a line perpendicular to: 2y - x = 7

g) What was the most popular baby girl/boy name in 2008?

2. Baby Girl Names

2. Baby Girl Names

l Emma

2. Baby Girl Names

1 Emma

2 Sophia

2. Baby Girl Names

1 Emma

2 Sophia

3 Madison

2. Baby Girl Names

1 Emma

2 Sophia

3 Madison

4 Isabella

2. Baby Girl Names

1 Emma

2 Sophia

3 Madison

4 Isabella

5 Olivia

2. Baby Girl Names

1 Emma

2 Sophia

3 Madison

4 Isabella

5 Olivia

6 Ava

2. Baby Girl Names

1 Emma

2 Sophia

3 Madison

4 Isabella

5 Olivia

6 Ava

7 Madeleine

2. Baby Girl Names

1 Emma

2 Sophia

3 Madison

4 Isabella

5 Olivia

6 Ava

7 Madeleine

8 Addison

2. Baby Girl Names

1 Emma

2 Sophia

3 Madison

4 Isabella

5 Olivia

6 Ava

7 Madeleine

8 Addison

9 Hailey

2. Baby Girl Names

1 Emma

2 Sophia

3 Madison

4 Isabella

5 Olivia

6 Ava

7 Madeleine

8 Addison

9 Hailey

10 Lily

2. Baby Boy Names

2. Baby Boy Names

l Aiden

2. Baby Boy Names

1 Aiden

2 Jayden

2. Baby Boy Names

1 Aiden

2 Jayden

3 Ethan

2. Baby Boy Names

1 Aiden

2 Jayden

3 Ethan

4 Jacob

2. Baby Boy Names

1 Aiden

2 Jayden

3 Ethan

4 Jacob

5 Caden

2. Baby Boy Names

1 Aiden

2 Jayden

3 Ethan

4 Jacob

5 Caden

6 Jackson

2. Baby Boy Names

1 Aiden

2 Jayden

3 Ethan

4 Jacob

5 Caden

6 Jackson

7 Noah

2. Baby Boy Names

1 Aiden

2 Jayden

3 Ethan

4 Jacob

5 Caden

6 Jackson

7 Noah

8 Jack

2. Baby Boy Names

1 Aiden

2 Jayden

3 Ethan

4 Jacob

5 Caden

6 Jackson

7 Noah

8 Jack

9 Logan

2. Baby Boy Names

1 Aiden

2 Jayden

3 Ethan

4 Jacob

5 Caden

6 Jackson

7 Noah

8 Jack

9 Logan

10 Matthew

4. Homework

Practice

Are these perpendicular?

$$2x - 2y = 8$$

$$5y + 5x = 10$$

Challenge

Are these perpendicular?

$$2y - 3x = 8$$

$$4x + 6y = 12$$

4. Homework

Practice

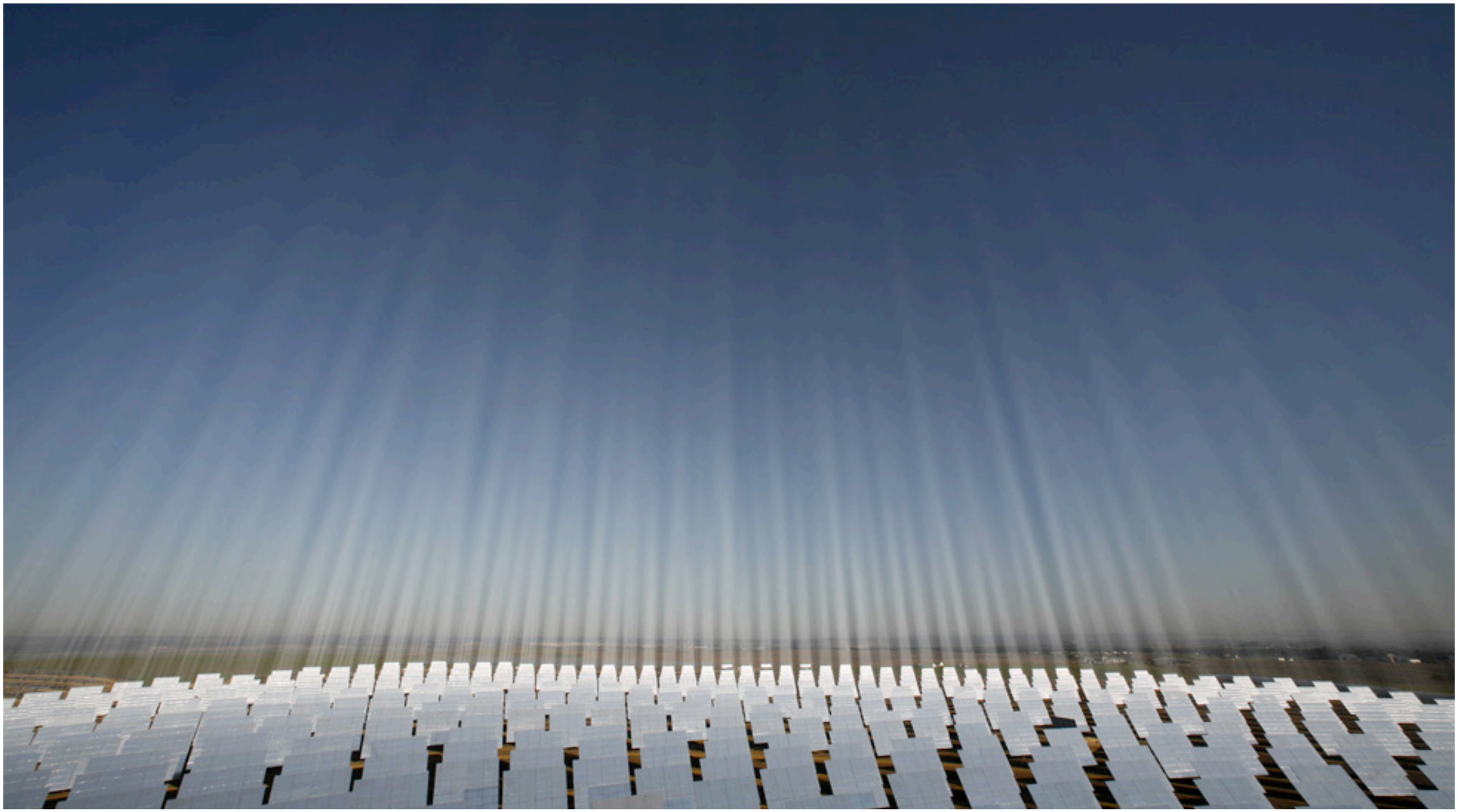
$$y = x - 4$$

$$y = -x + 2$$

Challenge

$$y = \frac{3}{2}x + 4$$

$$y = -\frac{2}{3}x + 2$$

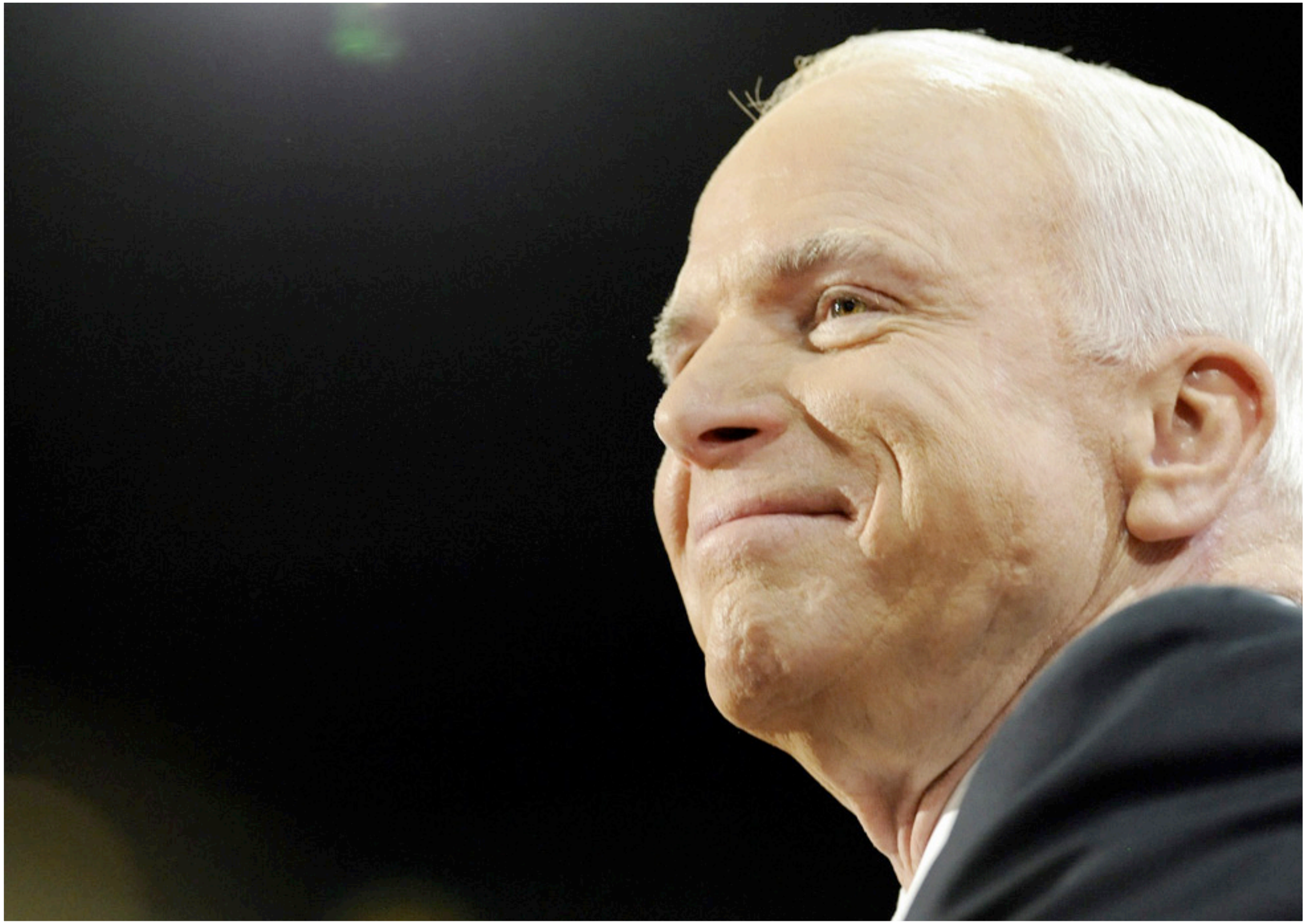



CABJ
PILA


Deloitte
CHANGE WE NEED


KARBON
Slovenija


l Fund




O'NEILL


RO-RO


HERAS

Wednesday, 1/14/09:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	89	**84**	**95**	**100**	**68**	**89**	89	**72**	80	53	37	**24**	53	67		71
Sixth	**100**	82	**95**	95	**68**	77	**91**	68	**95**	**64**	**73**	14	**57**	**82**		**76**

Friday, 1/16/09:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	89	**84**	**95**	**100**	**68**	**89**	89	**72**	80	53	37	**28**	53	67		72
Sixth	**100**	82	**95**	95	**68**	77	**91**	68	**95**	**64**	**73**	19	**57**	**86**		**77**

3. Classwork

$$y = -\frac{1}{3}x - 5$$

$$y = 3x + 6$$

3. Classwork

$$y = -\frac{1}{3}x - 5$$
$$y = 3x + 6$$

$$y = -\frac{5}{4}x + 3$$
$$4x + 5y = -15$$

$$y = \frac{3}{4}x - 2$$
$$-4x + 3y = -12$$

$$3x - 5y = 3$$
$$-5x + 3y = 3$$

$$y = -x + 5$$
$$y = x + 5$$

$$2x - 2y = 8$$
$$4x + 4y = 12$$

3. Classwork

$$y = -\frac{1}{3}x - 5$$

$$y = 3x + 6$$

$$y = -\frac{5}{4}x + 3$$

$$y = -\frac{4}{5}x - 3$$

$$y = \frac{3}{4}x - 2$$

$$y = \frac{4}{3}x - 4$$

$$y = \frac{3}{5}x - \frac{3}{5}$$

$$y = \frac{5}{3}x + 1$$

$$y = -x + 5$$

$$y = x + 5$$

$$y = x + 4$$

$$y = -x + 3$$

3. Classwork

3. Classwork

Yes

3. Classwork

Yes	No	

3. Classwork

Yes	No	No

3. Classwork

Yes	No	No
No		

3. Classwork

Yes	No	No
No	Yes	

3. Classwork

Yes	No	No
No	Yes	Yes

4. Classwork

$y = \frac{1}{2}x - 3$	$2y - 3x = 8$	$y = \frac{5}{2}x - 3$
(-5, 4)	(6, -2)	(-5, 1)
$y = 3x - 7$	$2y = 8x - 4$	$3x - y = 8$
(3, 4)	(2, -2)	(9, 5)

4. Classwork

4. Classwork

$y = -2x - 6$

4. Classwork

$y = -2x - 6$

$y = -\frac{2}{3}x + 2$

4. Classwork

$y = -2x - 6$

$y = -\frac{2}{3}x + 2$

$y = -\frac{2}{5}x - 1$

4. Classwork

$y = -2x - 6$

$y = -\frac{2}{3}x + 2$

$y = -\frac{2}{5}x - 1$

$y = -\frac{1}{3}x + 5$

4. Classwork

$y = -2x - 6$

$y = -\frac{2}{3}x + 2$

$y = -\frac{2}{5}x - 1$

$y = -\frac{1}{3}x + 5$

$y = -\frac{1}{4}x - \frac{3}{2}$

4. Classwork

$y = -2x - 6$

$y = -\frac{2}{3}x + 2$

$y = -\frac{2}{5}x - 1$

$y = -\frac{1}{3}x + 5$

$y = -\frac{1}{4}x - \frac{3}{2}$

$y = -\frac{1}{3}x + 8$

5. Break

6. Show and Tell

Friday, 1/16/09:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	89	**84**	**95**	**100**	**68**	**89**	89	**72**	80	53	37	**28**	53	67		72
Sixth	**100**	82	**95**	95	**68**	77	**91**	68	**95**	**64**	**73**	19	**57**	**86**		**77**

7. Multiple Steps

7. Multiple Steps

$$3x - 7 = -25$$

7. Multiple Steps

$$3x - 7 = -25$$

$$8 = -2x + 8 + x - 5$$

7. Multiple Steps

$$3x - 7 = -25$$

$$8 = -2x + 8 + x - 5$$

$$5x + 3 = 8x + 12$$

7. Multiple Steps

$$3x - 7 = -25$$

$$8 = -2x + 8 + x - 5$$

$$5x + 3 = 8x + 12$$

$$3(2x - 1) + 4 = 5x + 10$$

7. Distributive Property

$$3(2x-1)+4=5x+10$$

7. Solving Equations

$$14 - (2q + 5) = 5q + 16$$

7. Solving Equations

$$14 - (2q + 5) = 5q + 16$$

$$-8x + 14 = -2(3x - 7) + 10$$

$$6 - y = 2(y - 3) + 2$$

$$3 - 4(3y - 2) = 6y + 2$$

$$9x + 3x - 7 = 3(3x + 5)$$

$$18x - 5 = 3(6x - 2)$$

$$2 - 2(5x - 2) = -4 + 3x$$

8. Concept Quiz

9. Homework

Practice

Give one example each of a) the commutative property of multiplication and b) the identity properties of multiplication.

Challenge

Give one example each of a) the inverse property of multiplication and b) the identity properties of addition.

10. Five for the Weekend

10. Five for the Weekend

Recomendaciones, por favor.

10. Five for the Weekend

Recomendaciones, por favor.

1		

10. Five for the Weekend

Recomendaciones, por favor.

1		
2		

10. Five for the Weekend

Recomendaciones, por favor.

1		
2		
3		

10. Five for the Weekend

Recomendaciones, por favor.

1		
2		
3		
4		

10. Five for the Weekend

Recomendaciones, por favor.

1		
2		
3		
4		
5		