Day 32

1. Opener

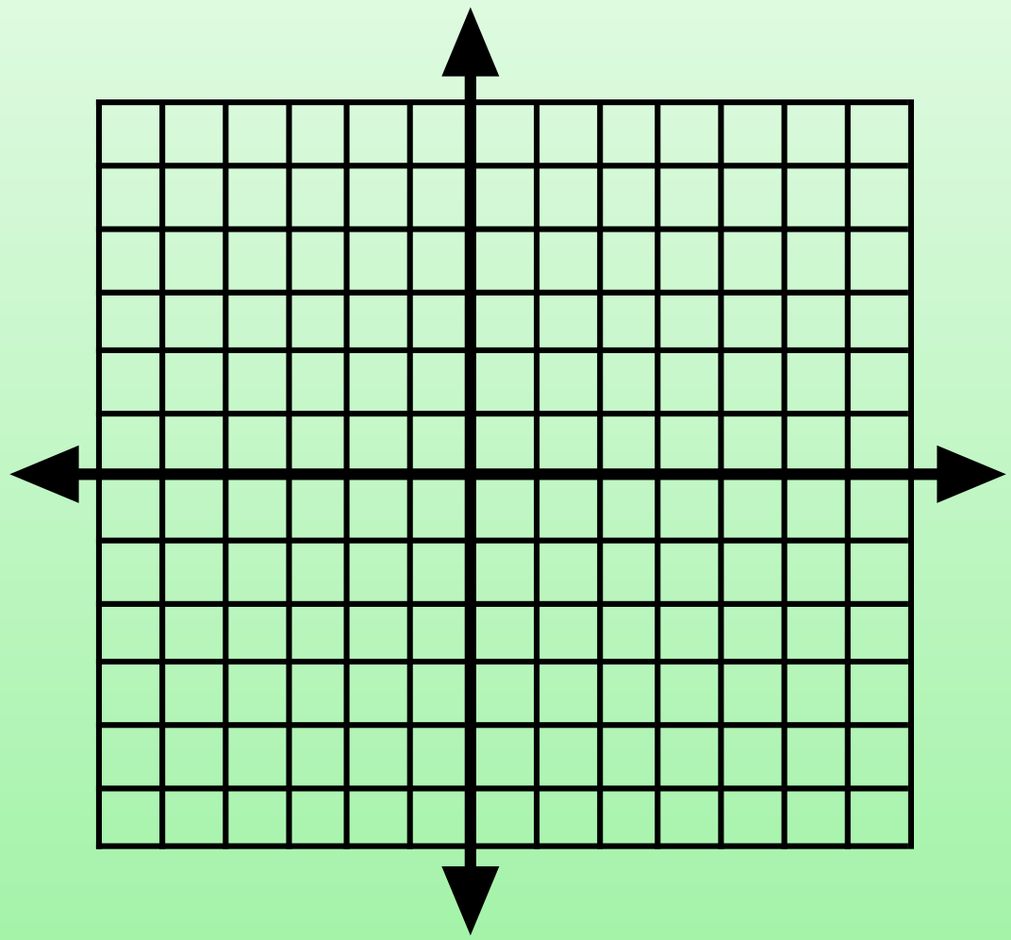
a) Which of these relationships describes this graph?

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

$$2x + 5y = 1$$

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

$$4x + 10y = 10$$



b) Is (2, 10) on the line y = 3x + 5?

c) What was the average salary of a geology graduate in 1995 who graduated from the University of North Carolina in 1985?

d) What is the average duration of an American marriage?

Day 32

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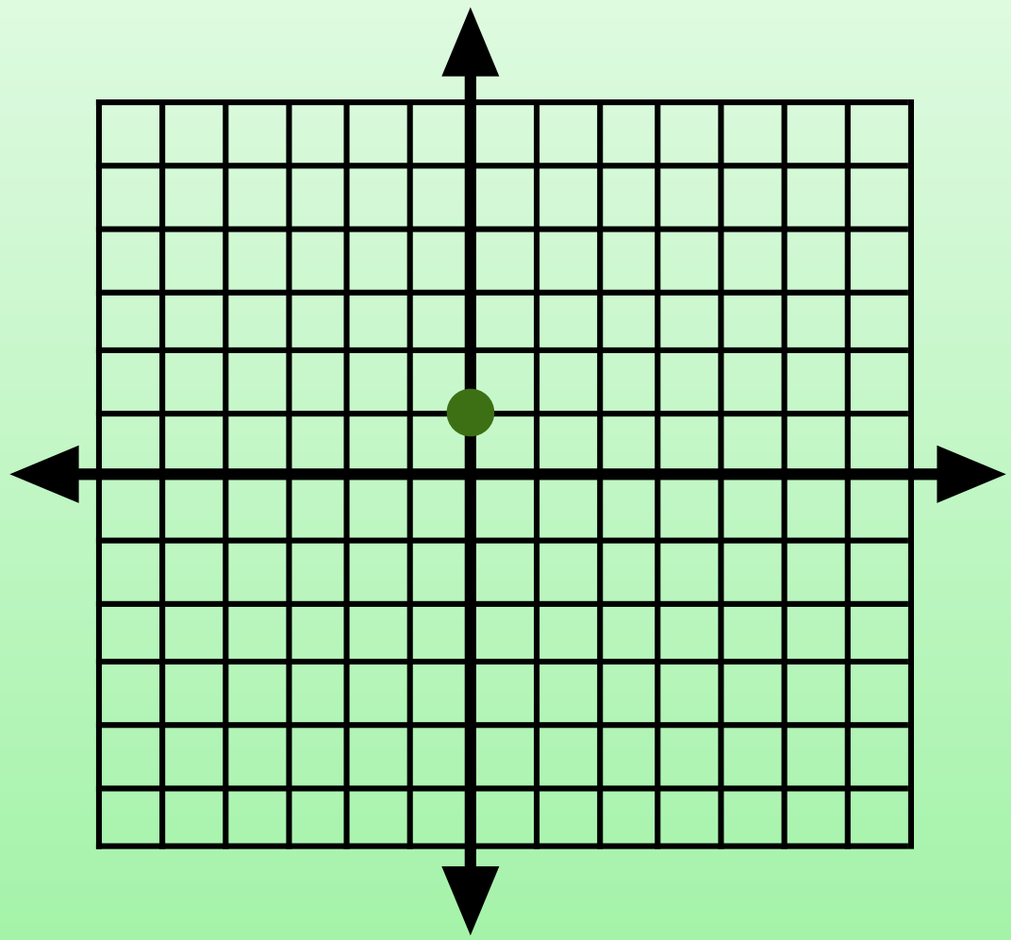

b) Is (2, 10) on the line y = 3x + 5?

c) What was the average salary of a geology graduate in 1995 who graduated from the University of North Carolina in 1985?

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Day 32

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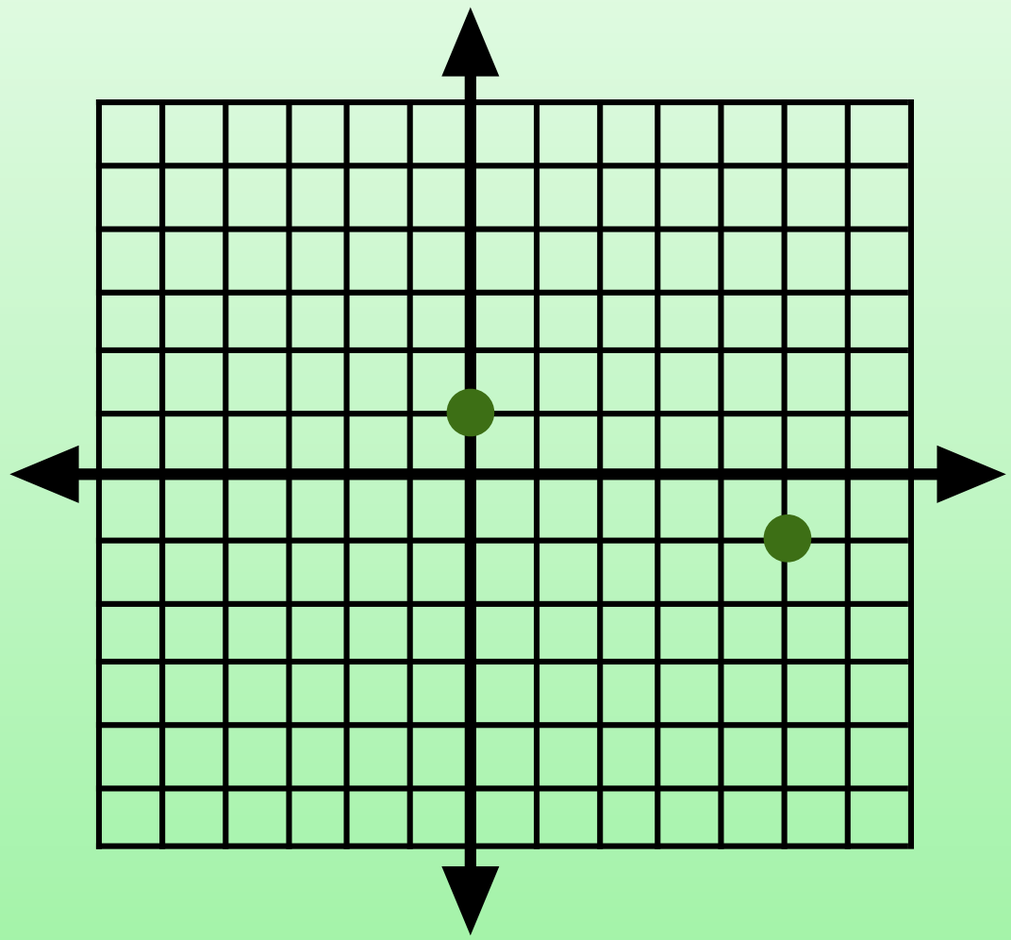

b) Is (2, 10) on the line y = 3x + 5?

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Day 32

1. Opener

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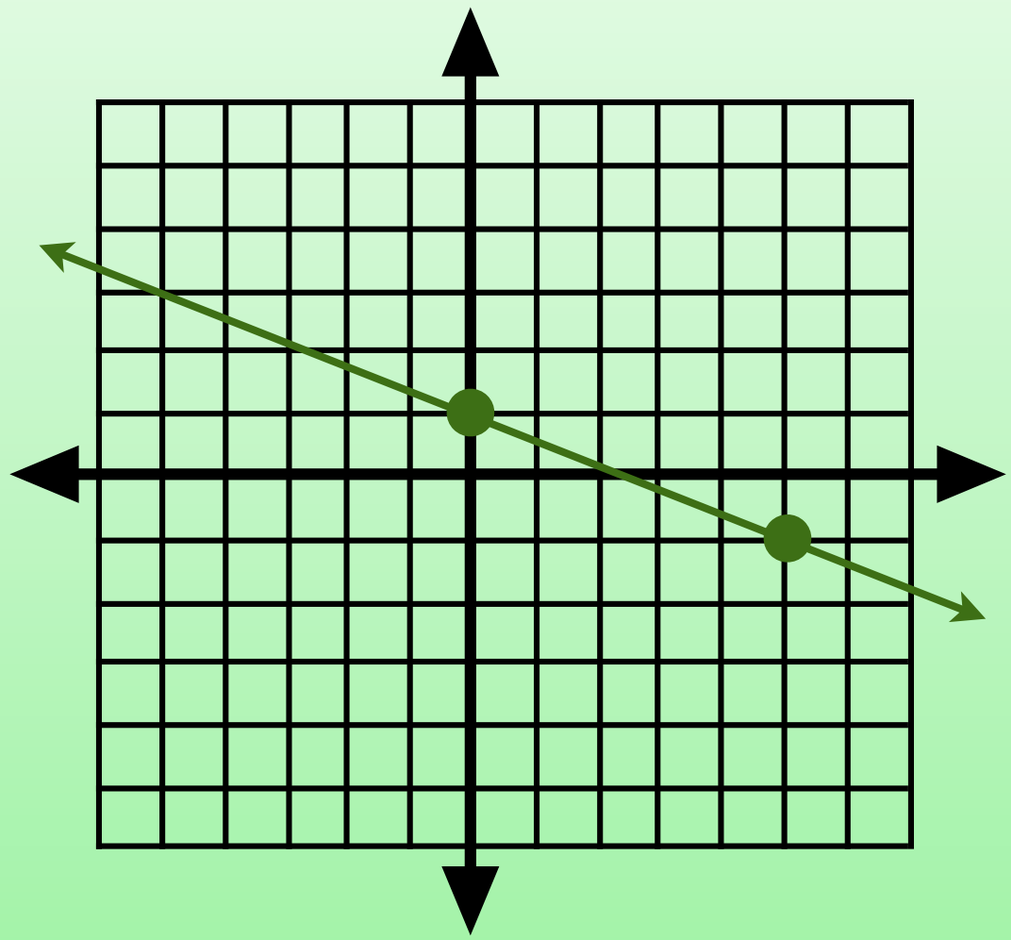


b) Is (2, 10) on the line y = 3x + 5?

c) What was the average salary of a geology graduate in 1995 who graduated from the University of North Carolina in 1985?

d) What is the average duration of an American marriage?

8. Homework

Practice

$$2y - 3x = 6$$

Challenge

$$2y - 3x = 6 + x$$

y

$2y - 3x = 6$

y

$2y - 3x = 6$

y

$2y - 3x = 6 + x$

y

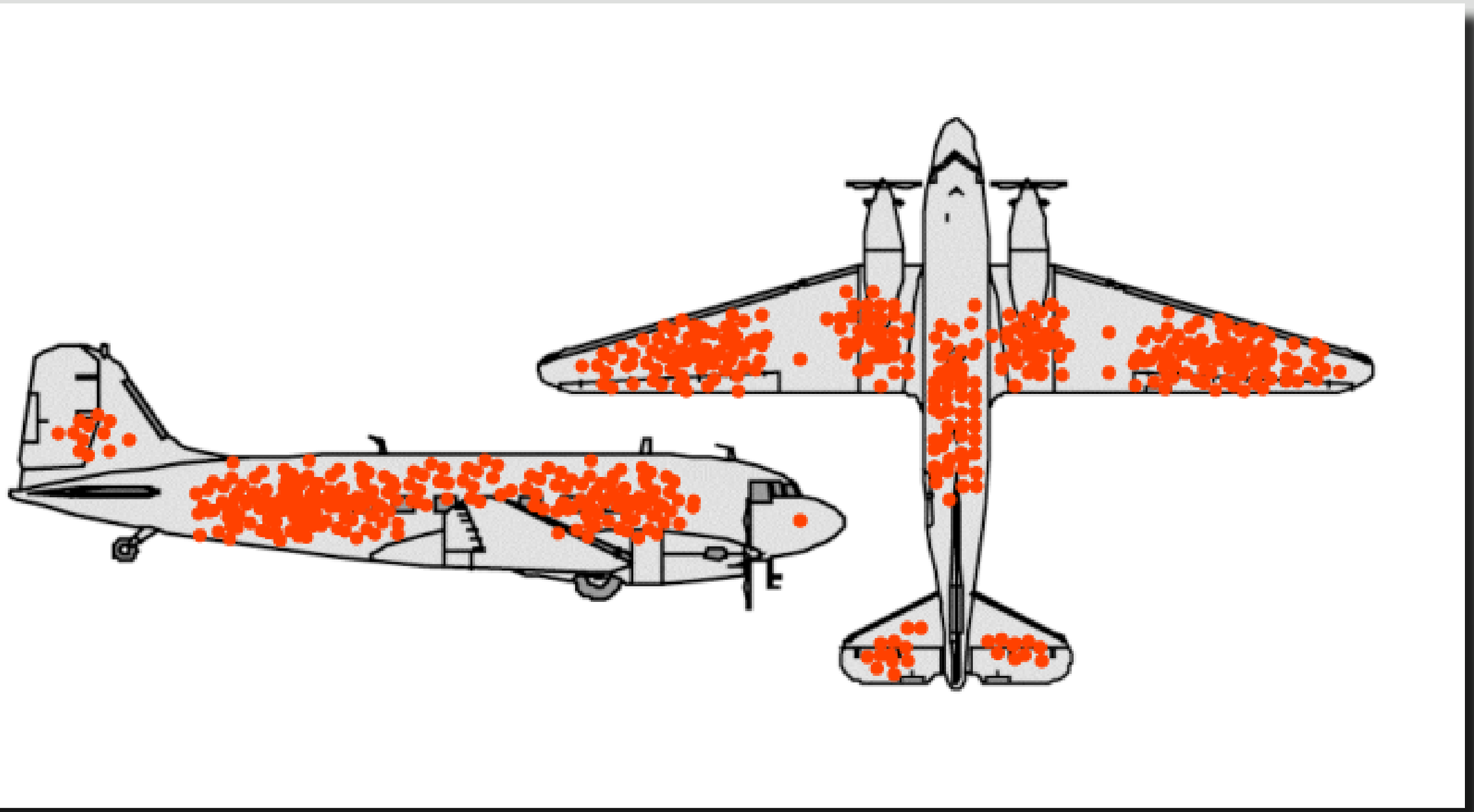
$$2y - 3x = 6 + x$$

Friday, 11/07/08:

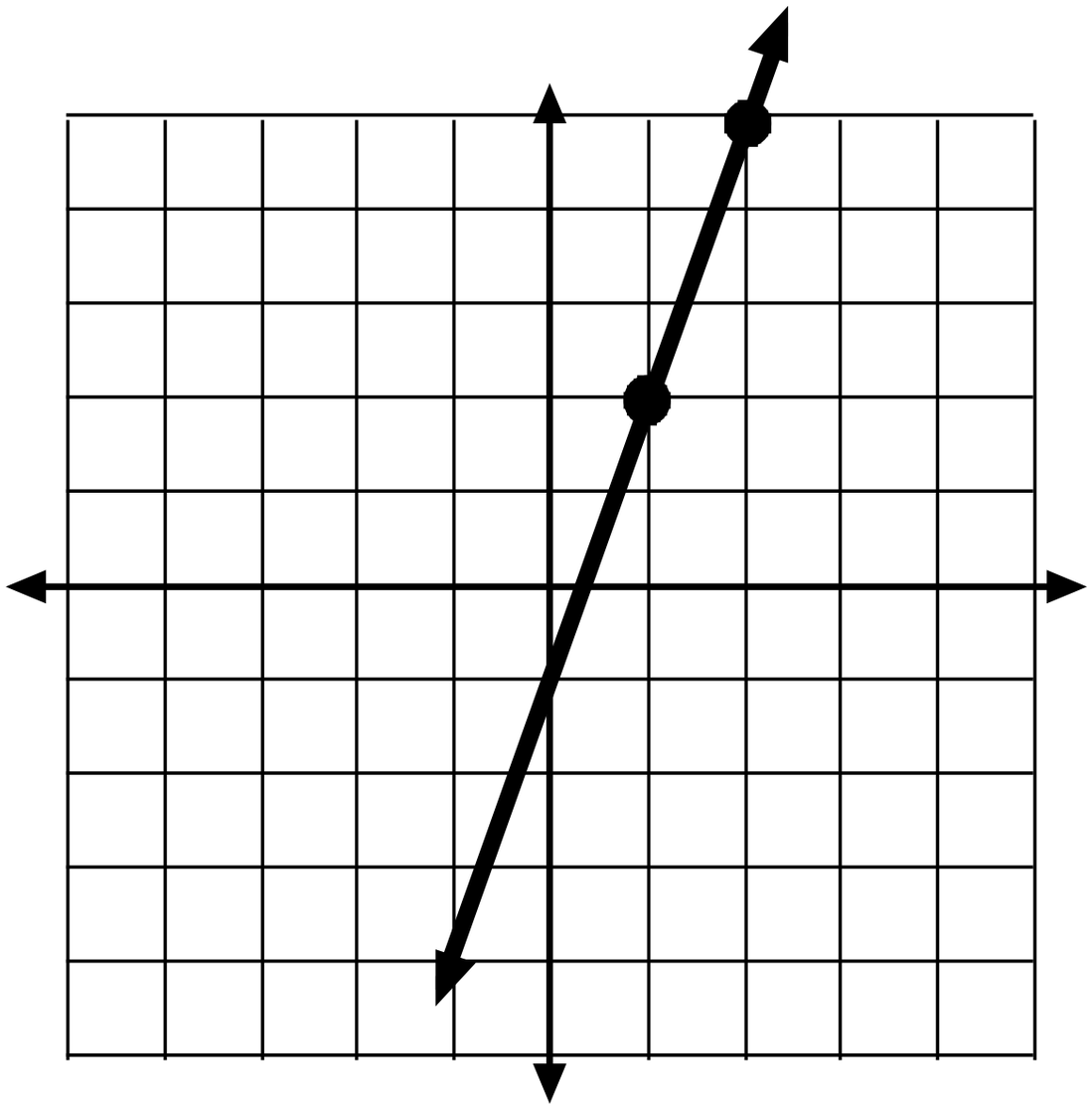
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	75	**85**	**95**	**100**	**65**	**81**	85	60	11							73
Sixth	**95**	68	**95**	95	59	73	**91**	**64**	**29**							**74**

Monday, 11/17/08:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	80	**85**	**95**	**100**	65	**81**	85	60	24							75
Sixth	**100**	68	**95**	95	**68**	73	**91**	**64**	**33**							**76**



Russian Hideout 2



What is the equation of the line?

If $y = \frac{1}{3}x - 1$ **then go to 1**

If $y = \frac{1}{3}x + 1$ **then go to 4**

If $y = 3x - 1$ **then go to 7**

If $y = -3x - 1$ **then go to 5**

If none of these then go to 6

3. Classwork

3. Classwork

pg. 245 // #91 - 96 (pick three)

3. Classwork

pg. 245 // #91 - 96 (pick three)
pg. 245 // #97 - 102 (pick three)

Day 33

$$3x - 2y = 6$$

x	10	6	2	55	
y	2	0			30

Day 33

1. Opener

$$3x - 2y = 6$$

x	10	6	2	55	
y	2	0			30

Day 33

1. Opener

a) Graph: $3x - 2y = 6$

x	10	6	2	55	
y	2	0			30

Day 33

1. Opener

a) Graph: $3x - 2y = 6$

What is the relationship?

x	10	6	2	55	
y	2	0			30

Day 33

1. Opener

a) Graph: $3x - 2y = 6$

What is the relationship?

b)

x	10	6	2	55	
y	2	0			30

Day 33

1. Opener

a) Graph: $3x - 2y = 6$

What is the relationship?

b)

x	10	6	2	55	
y	2	0			30

c) What is the 2008th term in the sequence: 1, 7, 13, 19, ... ,

Day 33

1. Opener

a) Graph: $3x - 2y = 6$

What is the relationship?

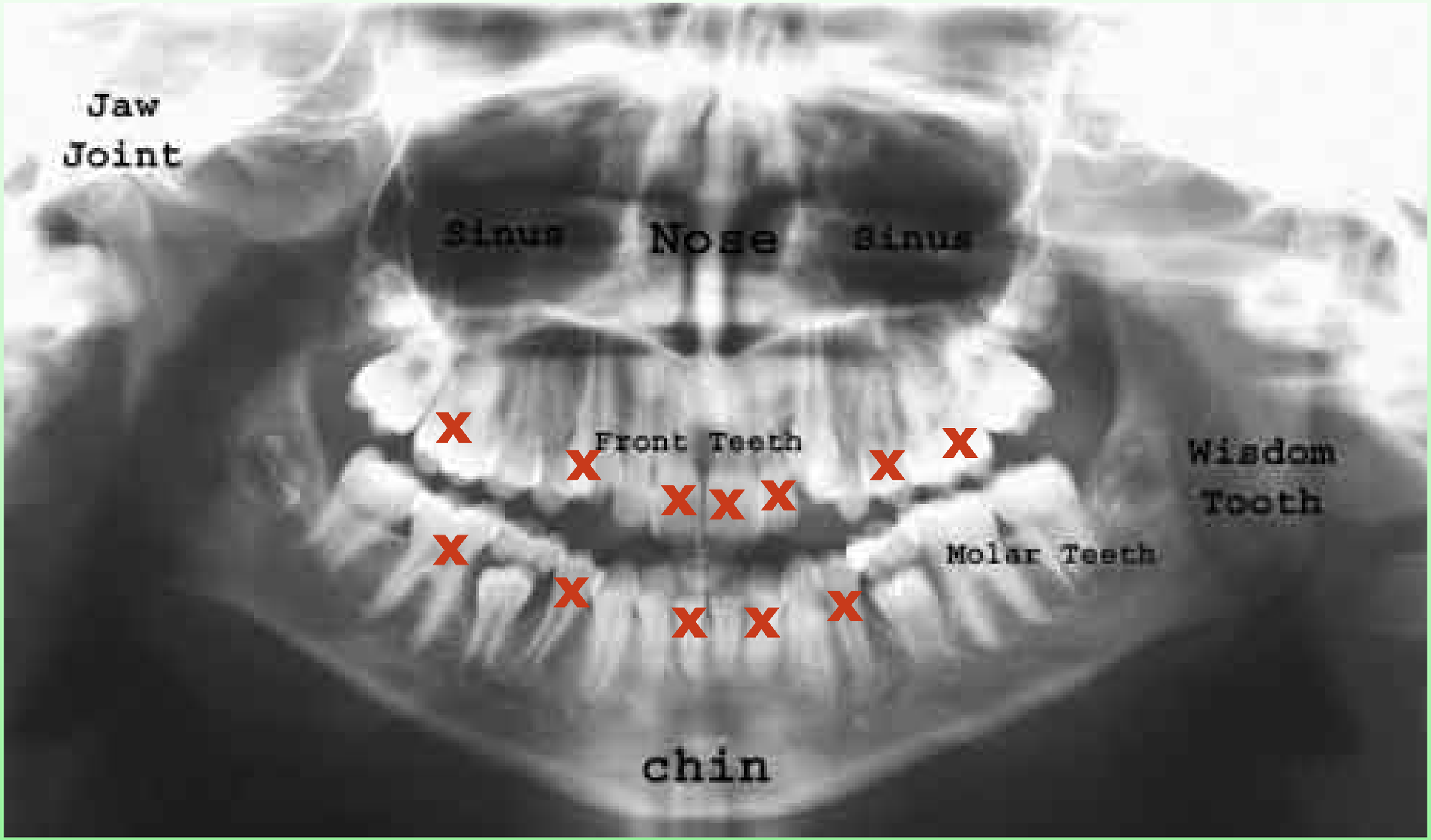
b)

x	10	6	2	55	
y	2	0			30

c) What is the 2008th term in the sequence: 1, 7, 13, 19, ... ,

d) What is the most teeth lost by a hockey player?


Jaw
Joint
Sinus
Nose
Sinus
Front Teeth
Wisdom
Tooth
Molar Teeth
chin


Jaw
Joint
Sinus
Nose
Sinus
Front Teeth
Wisdom
Tooth
Molar Teeth
chin

8. Homework

x	2	7	25	**-28**	
y	10	-5	**-59**	100	

$y = -3x + 16$

x	2	10	32	**-40**	
y	16	0	**-44**	100	

$y = -2x + 20$

x	5	6	7	30	**-83**
y	12	11	**10**	**-13**	100

$y = -x + 17$

Monday, 11/17/08:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	80	**85**	**95**	**100**	65	**81**	85	60	24							75
Sixth	**100**	68	**95**	95	**68**	73	**91**	**64**	**33**							**76**

Caffé Mocha

[caf-ay moh-kuh]

Cappuccino

[kap-oo-chee-noh]

Caffé Latte

[caf-ay lah-tey]

Espresso

[ess-press-oh]

Espresso Macchiato

[ess-press-oh mock-e-ah-toe]

Cafe Breve

[caf-ay brev-ay]

Flat White

Espresso con Panna

[ess-press-oh kon pawn-nah]

Americano

[uh-mer-i-kan-oh]

$$x + 2y = 7$$

$$10x - 5y = 20$$

$$5x + 2y = 10$$

$$5y - 2x = 8$$

$$3x - 2y = 6$$

$$8x - 2y = 4$$

$$y = x + 3$$

$$y = 4x - 5$$

$$y = 3x + 10$$

$$y = 7x - 2$$

$$y = -\frac{2}{5}x - 7$$

$$y = 5x + 3$$

y

x		
y		

y

x		
y		

y

x	0	3
y	-4	0

y

x	0	3
y	-4	0

y

x	0	3
y	-4	0

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

y

y

x	0	4
y	-4	0

y

x	0	3
y	3	0

x	0	4
y	-4	0

y

x	0	-10
y	5	0

x	0	3
y	3	0

x	0	4
y	-4	0

x	0	1
y	5	0

x	0	-10
y	5	0

x	0	3
y	3	0

x	0	4
y	-4	0

x	2	0
y	0	-4

x	0	1
y	5	0

x	0	-10
y	5	0

x	0	3
y	3	0

x	0	4
y	-4	0

x	2	0
y	0	-4

x	0	1
y	5	0

x	0	-10
y	5	0

x	0	3
y	3	0

x	0	4
y	-4	0

x	0	-5
y	-4	0

x	2	0
y	0	-4

x	0	1
y	5	0

x	0	-10
y	5	0

x	0	3
y	3	0

x	0	-5
y	3	0

x	0	4
y	-4	0

x	0	-5
y	-4	0

x	2	0
y	0	-4

x	0	1
y	5	0

x	0	-10
y	5	0

x	0	-7
y	5	0

x	0	3
y	3	0

x	0	-5
y	3	0

x	0	4
y	-4	0

x	0	-5
y	-4	0

x	2	0
y	0	-4

x	0	1
y	5	0

x	0	8
y	1	0

x	0	-10
y	5	0

x	0	-7
y	5	0

x	0	3
y	3	0

x	0	-5
y	3	0

x	0	4
y	-4	0

x	0	-5
y	-4	0

x	2	0
y	0	-4

x	0	2
y	6	0

x	0	1
y	5	0

x	0	8
y	1	0

x	0	-10
y	5	0

x	0	-7
y	5	0

x	0	3
y	3	0

x	0	-5
y	3	0

x	0	4
y	-4	0

x	0	-5
y	-4	0

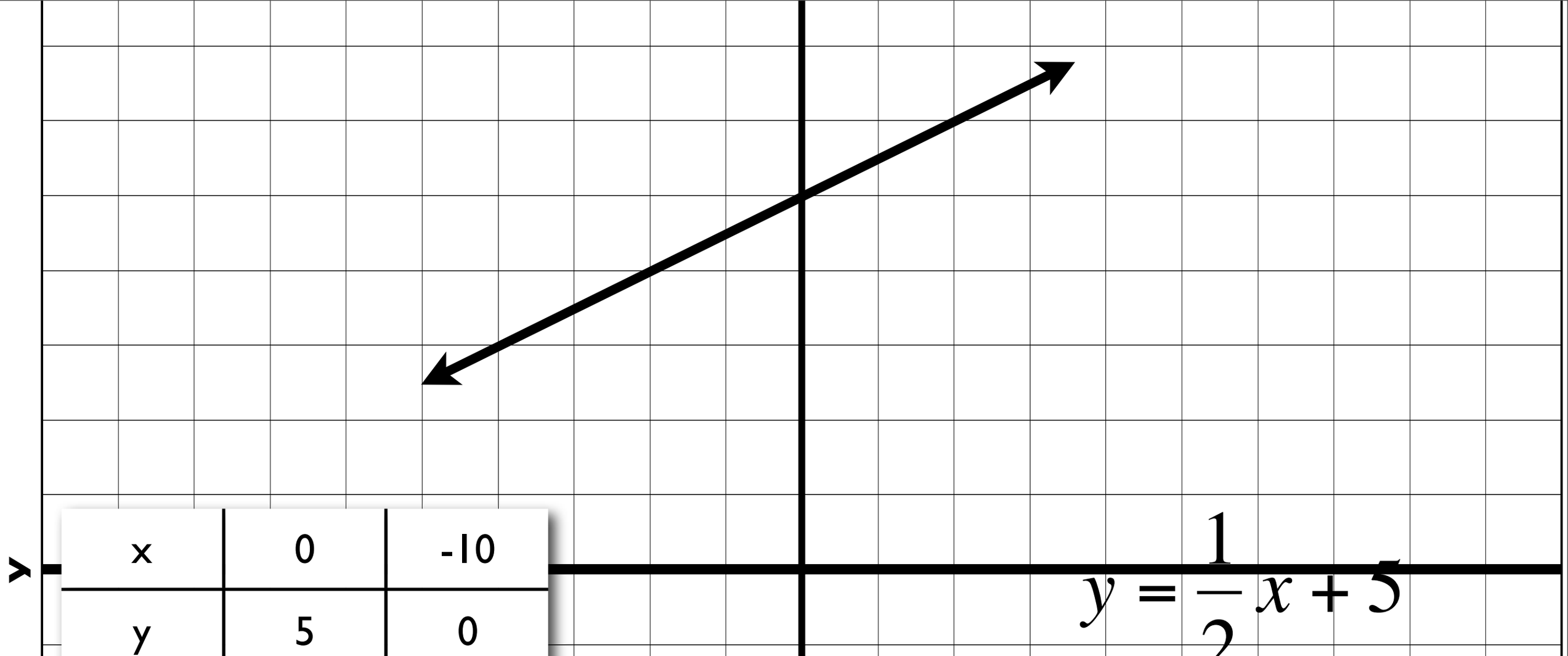
x	2	0
y	0	-4

$$y = 2x - 4$$

x	0	1
y	5	0

$$y = -5x + 5$$

y



x	0	-10
y	5	0

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

y

x	0	3
y	3	0

$y = -x + 3$

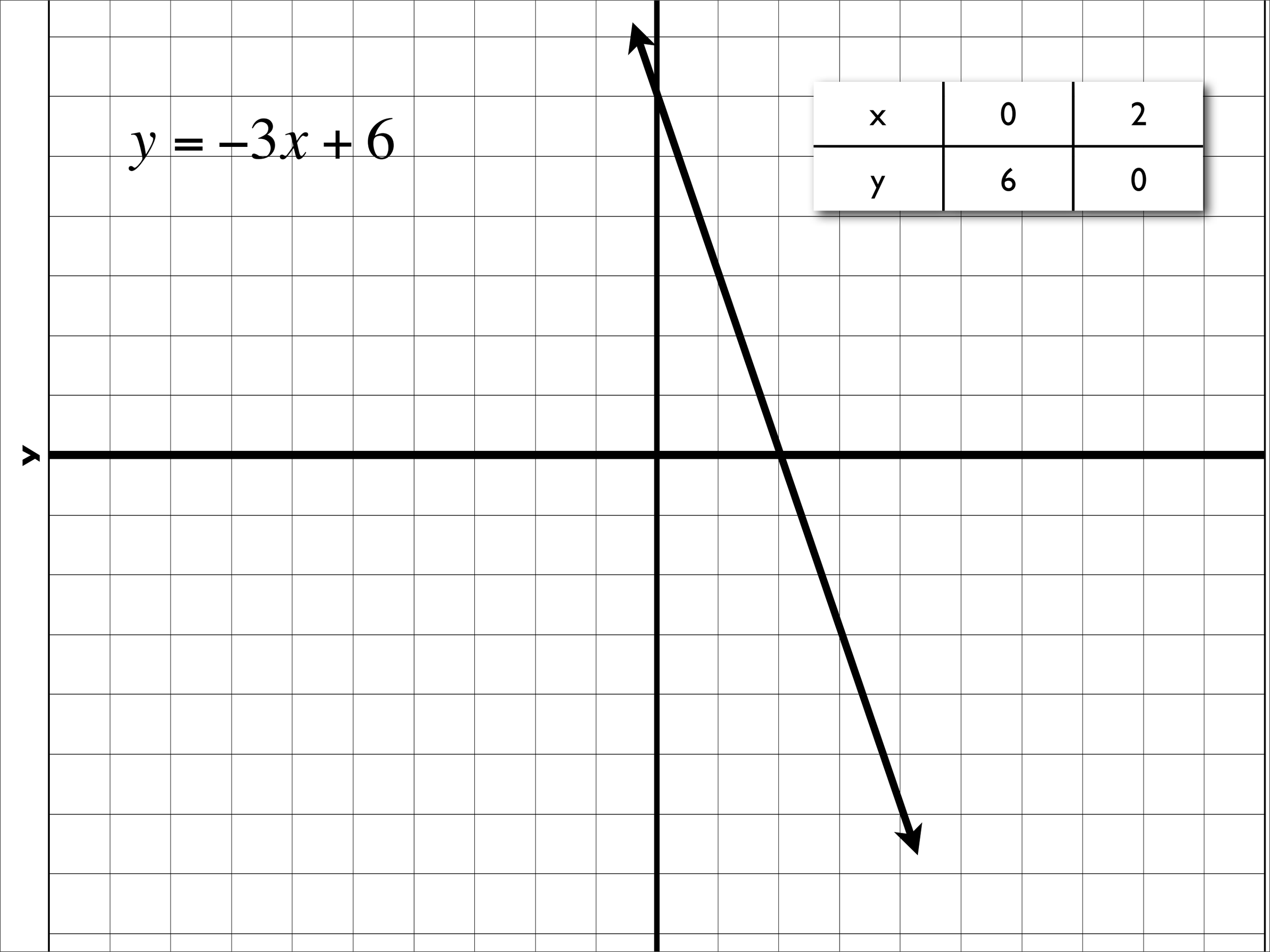
y

x	0	4
y	-4	0

$$y = x - 4$$

$$y = -3x + 6$$

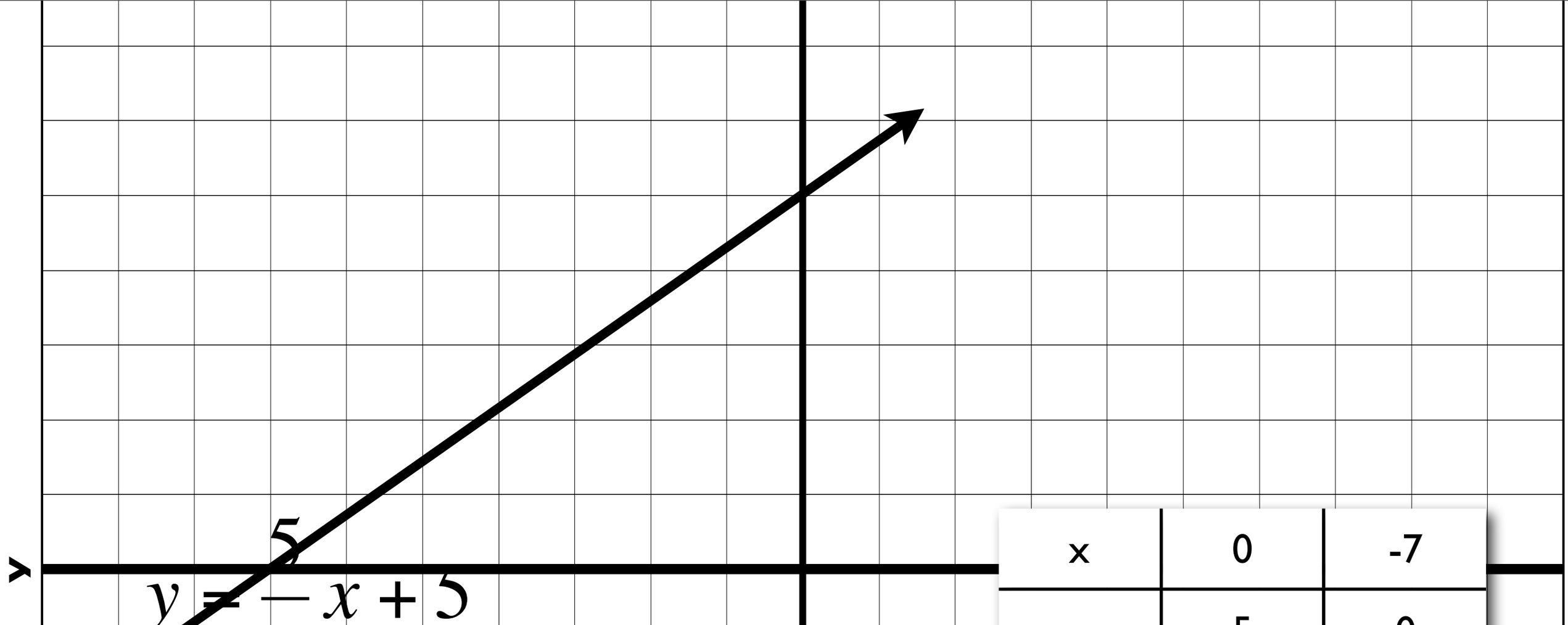
x	0	2
y	6	0



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

x	0	8
y	1	0

y



x	0	-7
y	5	0

y

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

x	0	-5
y	3	0

y

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

x	0	-5
y	-4	0

y

x		
y		

$$2y + 5x = 10$$

y

x	0	
y		

$$2y + 5x = 10$$

y

x	0	
y		0

$$2y + 5x = 10$$

y

x	0	
y		0

$2y + 5x = 10$

y

x		
y		

$$4x - 5y = 20$$

y

x		
y		

$$4x - 5y = 20$$

y

x	0	
y		

$$4x - 5y = 20$$

y

x	0	
y		0

$$4x - 5y = 20$$

$5x - 3y = 15$

$y + 3x = 4$

$2x + 3y = 12$

$10y - 5x = 5$

$5x - 2y = 15$

$2x - y = 6$

$$5x - 3y = 15$$

y

$$5x - 3y = 15$$

x	0	3
y	-5	0

y

$$5x - 3y = 15$$

x	0	3
y	-5	0

y

$2x + 3y = 12$

$$2x + 3y = 12$$

x	0	6
y	4	0

$$2x + 3y = 12$$

x	0	6
y	4	0

y

$$5x - 2y = 15$$

y

$$5x - 2y = 15$$

x	0	3
y	-7.5	0

$$5x - 2y = 15$$

x	0	3
y	-7.5	0

$$y + 3x = 4$$

y

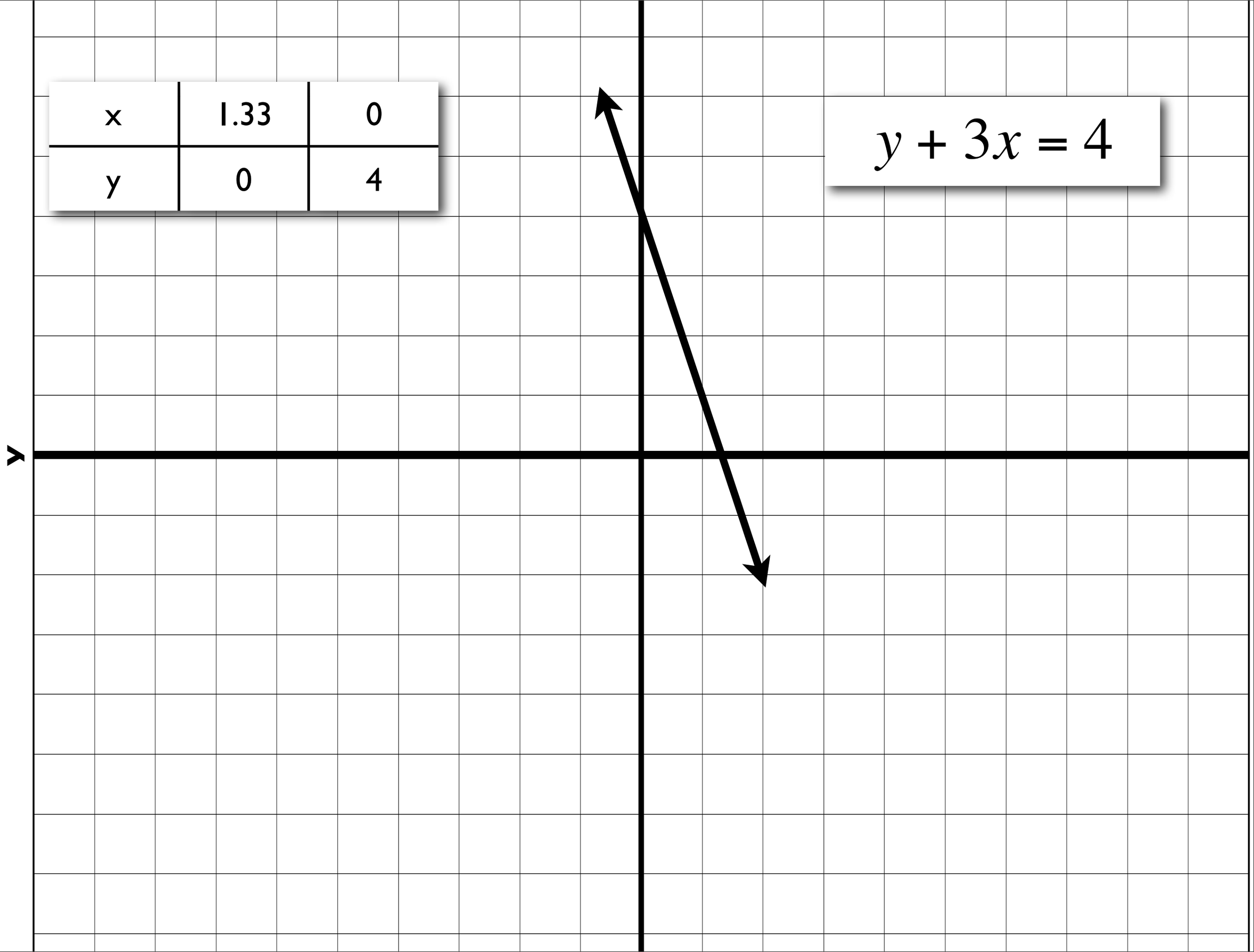
x	1.33	0
y	0	4

$$y + 3x = 4$$

y

x	1.33	0
y	0	4

$$y + 3x = 4$$



y

$$10y - 5x = 5$$

y

x	0	-1
y	0.5	0

$$10y - 5x = 5$$

x	0	-1
y	0.5	0

$$10y - 5x = 5$$

y

$$2x - y = 6$$

y

x	0	3
y	-6	0

$$2x - y = 6$$

y

x	0	3
y	-6	0

$$2x - y = 6$$

7. Homework

Practice

$$2x - 3y = 6$$

Challenge

$$5x + 2y = 6$$

Day 34

$$4x - 2y = 10$$

x	20	4	10		
y	9	1		50	

Day 34

1. Opener

$$4x - 2y = 10$$

x	20	4	10		
y	9	1		50	

Day 34

1. Opener

a) Graph: $4x - 2y = 10$ using intercepts.

x	20	4	10		
y	9	1		50	

Day 34

1. Opener

a) Graph: $4x - 2y = 10$ using intercepts.

What is the relationship for b?

x	20	4	10		
y	9	1		50	

Day 34

1. Opener

a) Graph: $4x - 2y = 10$ using intercepts.

What is the relationship for b?

b)

x	20	4	10		
y	9	1		50	

Day 34

1. Opener

a) Graph: $4x - 2y = 10$ using intercepts.

What is the relationship for b?

b)

x	20	4	10		
y	9	1		50	

c) The door to a post office is 5 feet higher than the curb. It is your job to build a handicap accessible ramp. What do you do?

Day 34

1. Opener

a) Graph: $4x - 2y = 10$ using intercepts.

What is the relationship for b?

b)

x	20	4	10		
y	9	1		50	

c) The door to a post office is 5 feet higher than the curb. It is your job to build a handicap accessible ramp. What do you do?

d) What state has the most bars per person?

y


RESERVED
PARKING


PA

Monday, 11/17/08:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	80	**85**	**95**	**100**	65	**81**	85	60	24							75
Sixth	**100**	68	**95**	95	**68**	73	**91**	**64**	**33**							**76**

Friday, 11/21/08:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	80	**85**	**95**	**100**	65	**81**	85	60	**45**	9						71
Sixth	**100**	73	**95**	95	**68**	73	**91**	**64**	43	**33**						**74**

Friday, 11/21/08:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	80	**85**	**95**	**100**	65	**81**	85	60	**77**	9						74
Sixth	**100**	73	**95**	95	**68**	73	**91**	**64**	62	**33**						**75**

7. Homework

Practice

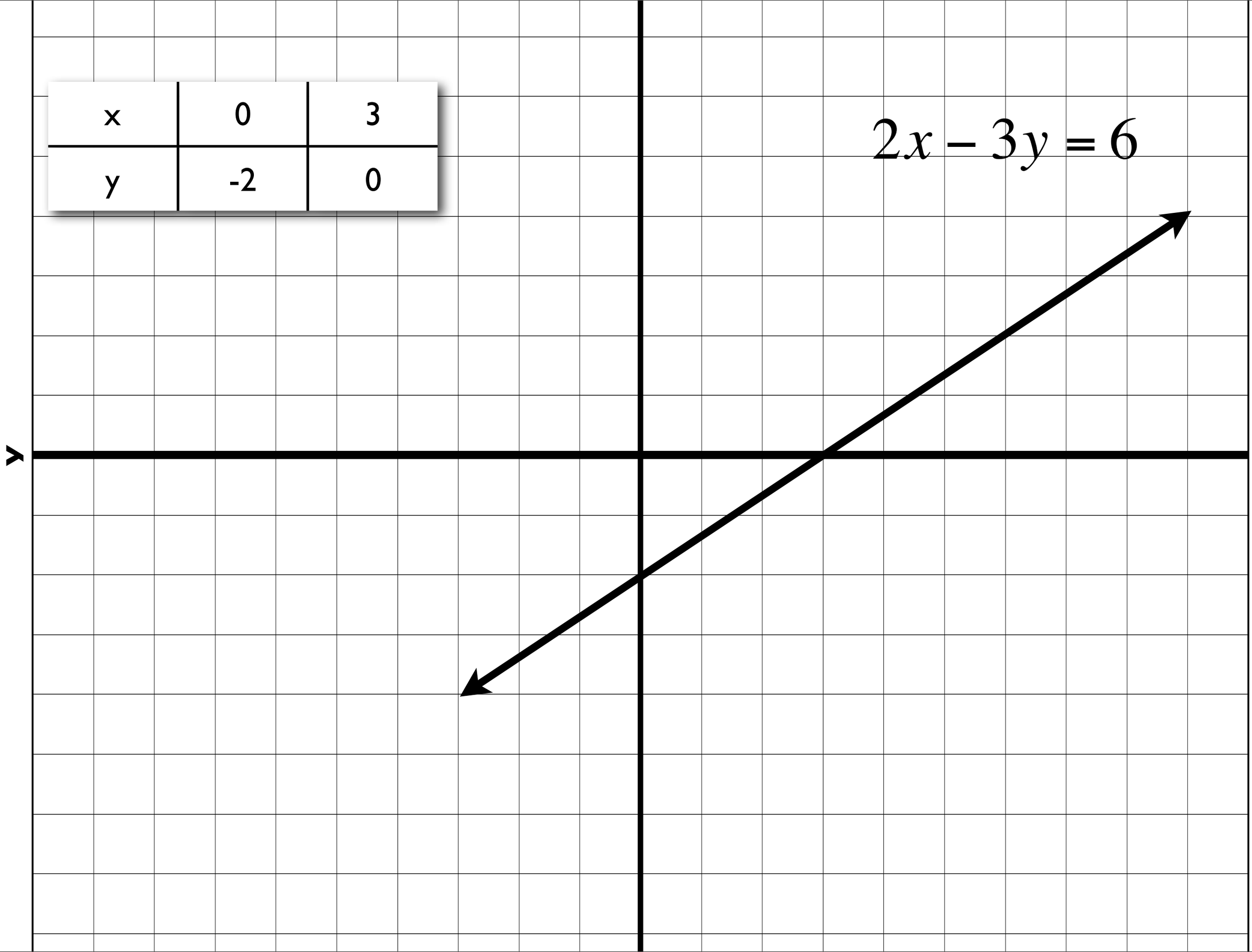
$$2x - 3y = 6$$

Challenge

$$5x + 2y = 6$$

x	0	3
y	-2	0

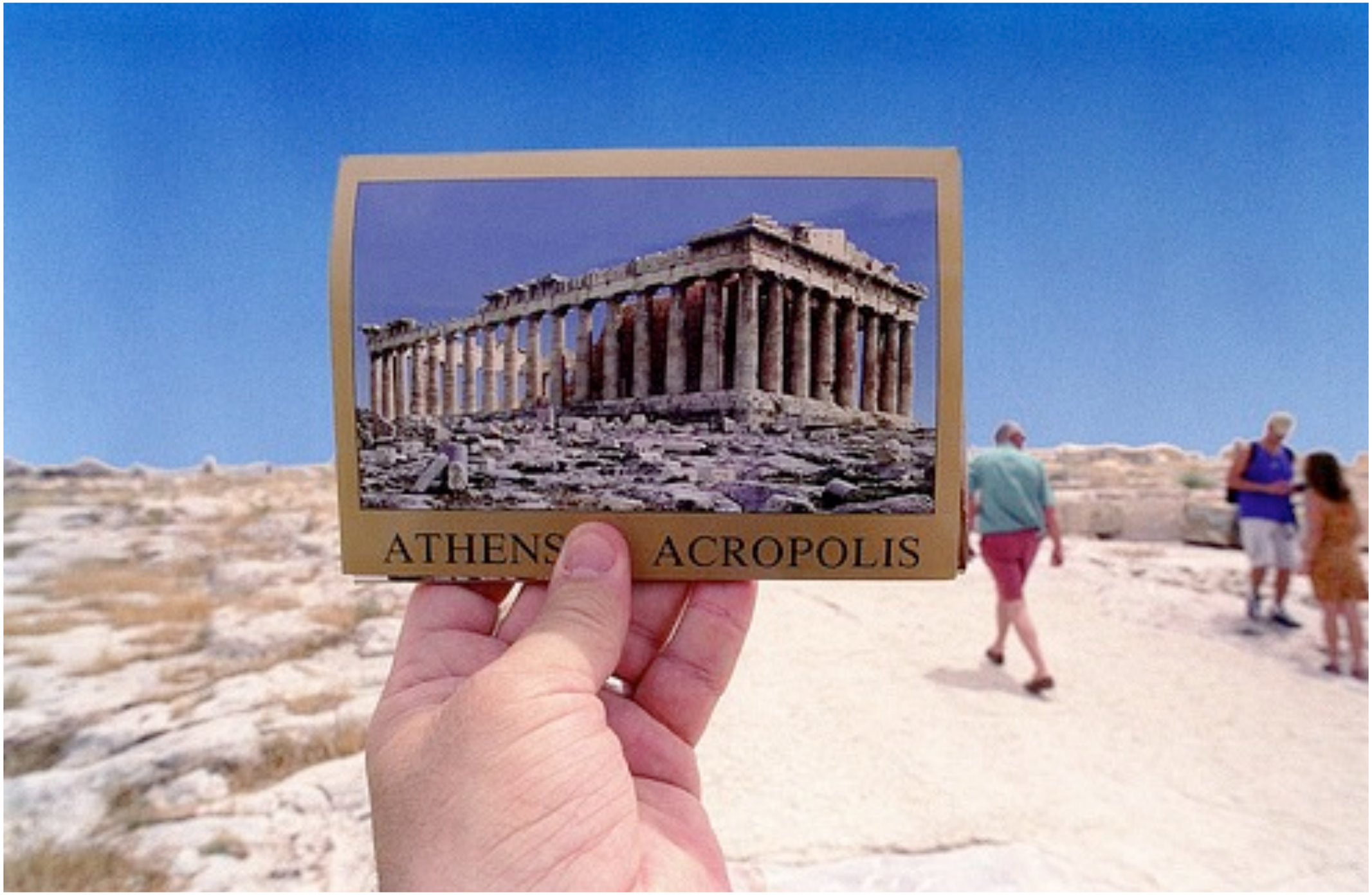
$$2x - 3y = 6$$



x	0	1.2
y	3	0

$$5x + 2y = 6$$

y


ATHENS
ACROPOLIS


ΑΡΧΑΙΟΤΗΤΕΣ
ΤΗΣ ΕΛΛΑΔΑΣ
ΑΡΧΑΙΑ ΑΓΟΡΑ
ΔΡΧ. 1.200
513800
ΑΡΧΑΙΑ ΑΓΟΡΑ
ANCIENT AGORA
ΕΙΣΙΤΗΡΙΟ
ΕΙΣΟΔΟΥ
513800
1.200
ENTRANCE
TICKET


BERLIN


Disneyland

point = (3,1)

y

point = (3,1)

slope = 3

y

point = (3,1)

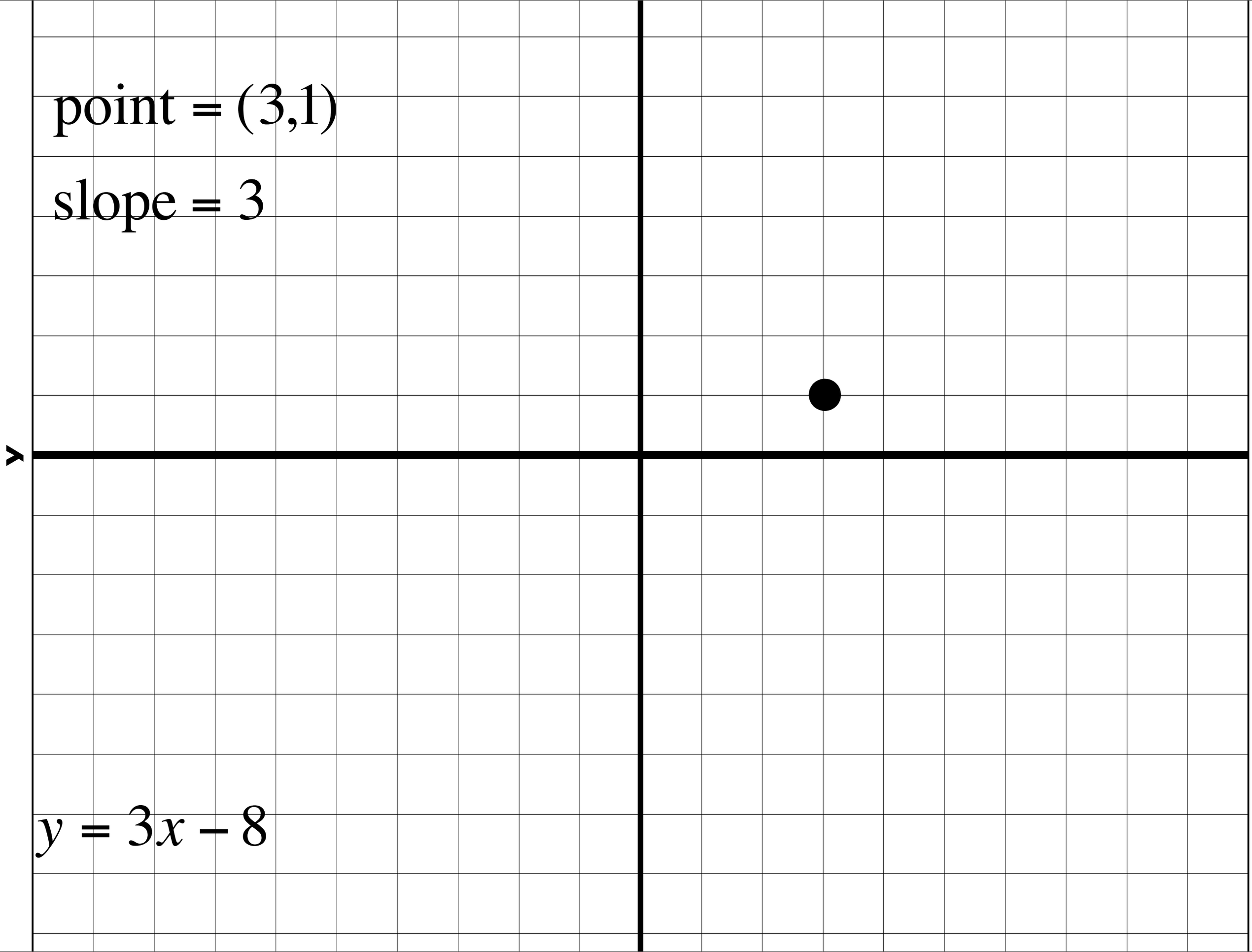
slope = 3

y

$y = 3x - 8$

point = (3,1)

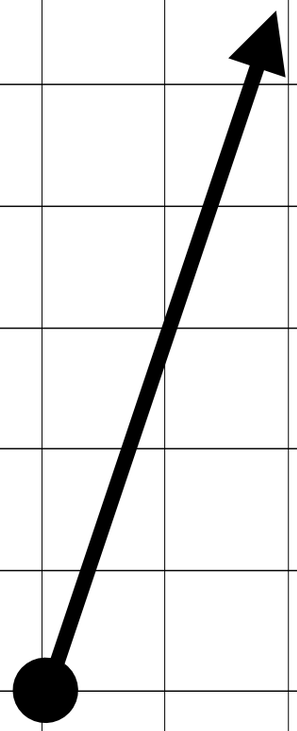
slope = 3



$y = 3x - 8$

point = (3,1)

slope = 3



y

$y = 3x - 8$

point = (3,1)

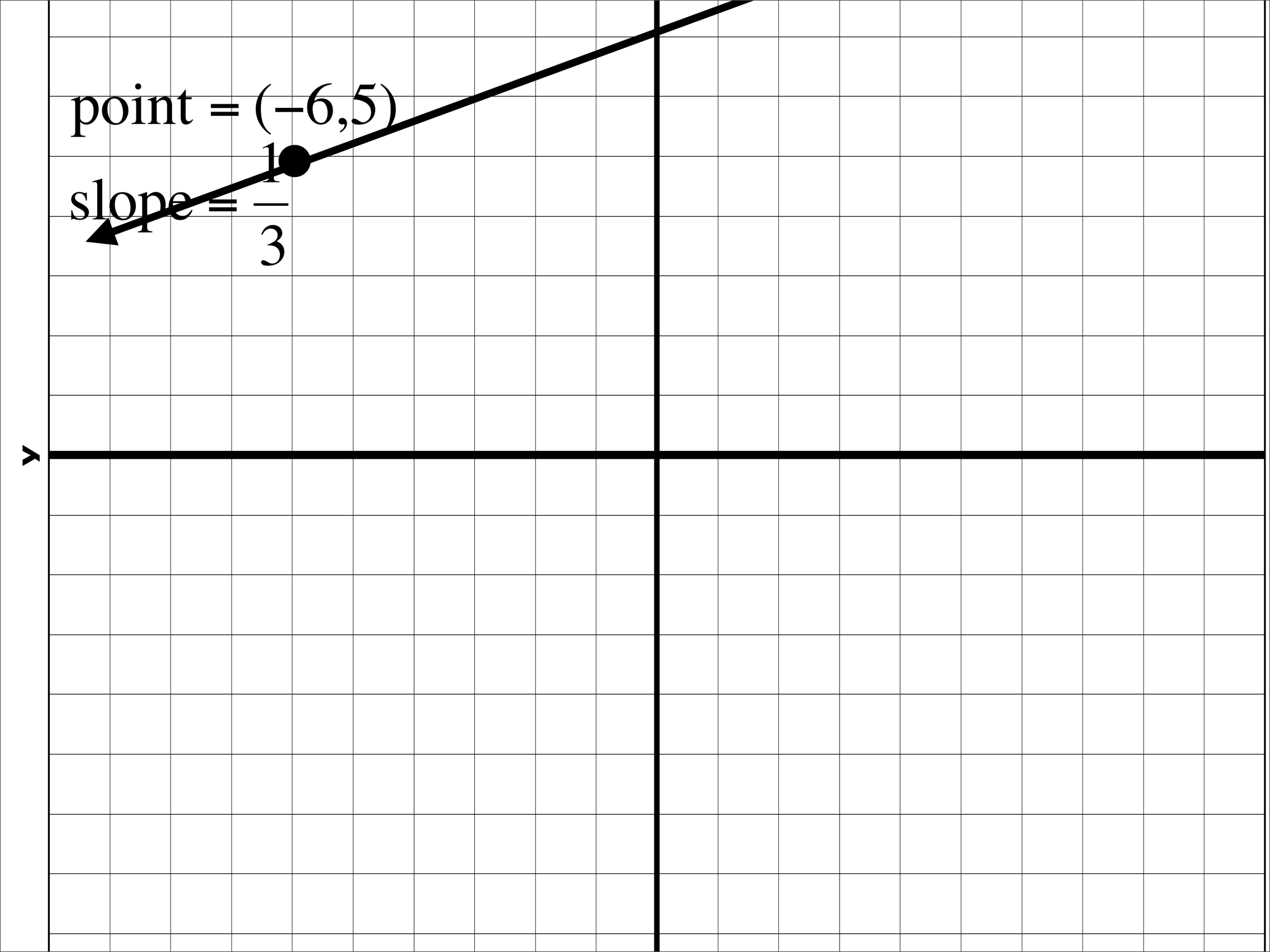
slope = 3

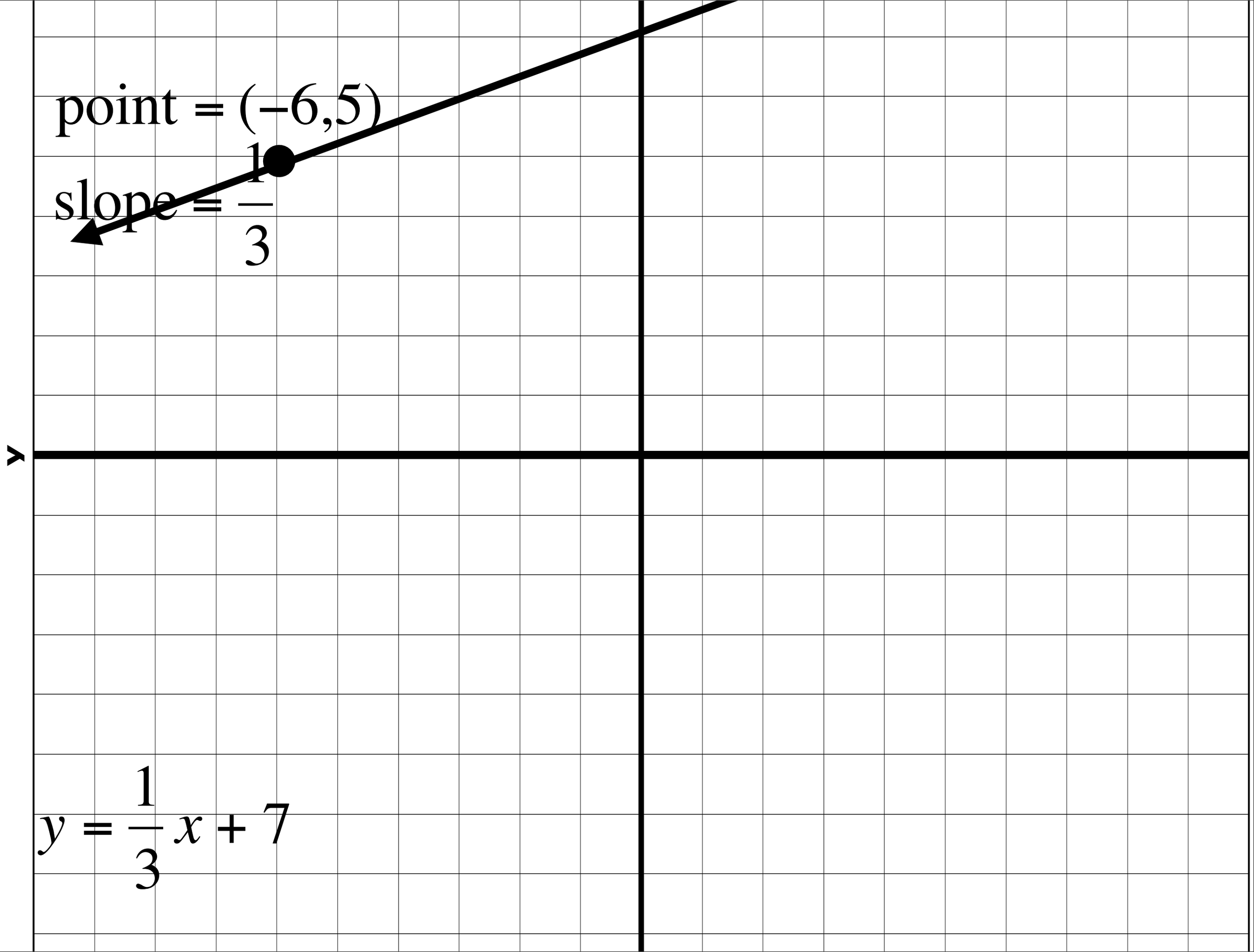
y

$y = 3x - 8$

$$\text{point} = (-6,5)$$

$$\text{slope} = \frac{1}{3}$$


point = (–6,5)
slope = 1/3
y



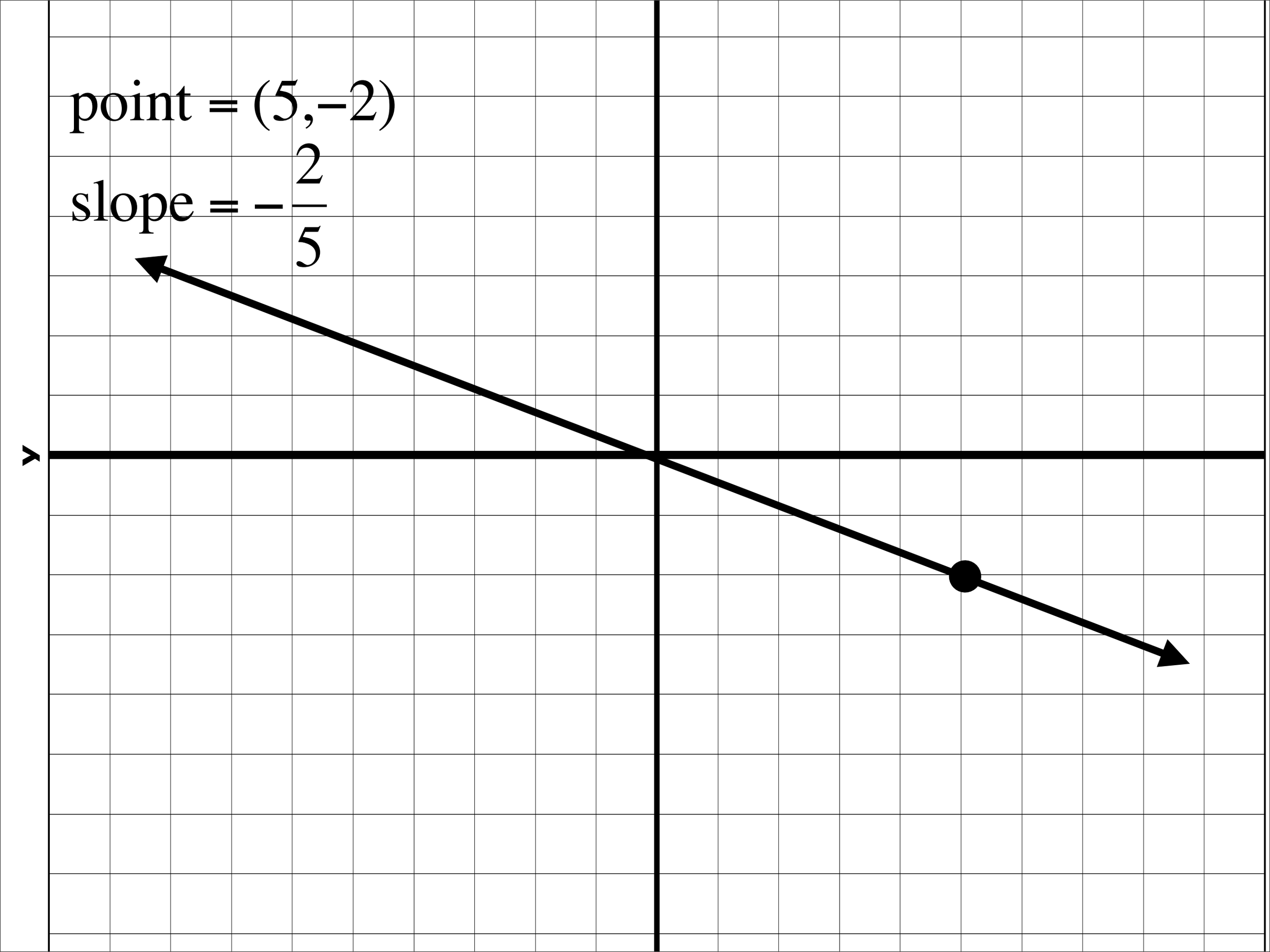
$$y = \frac{1}{3}x + 7$$

$$\text{point} = (5,-2)$$

$$\text{slope} = -\frac{2}{5}$$

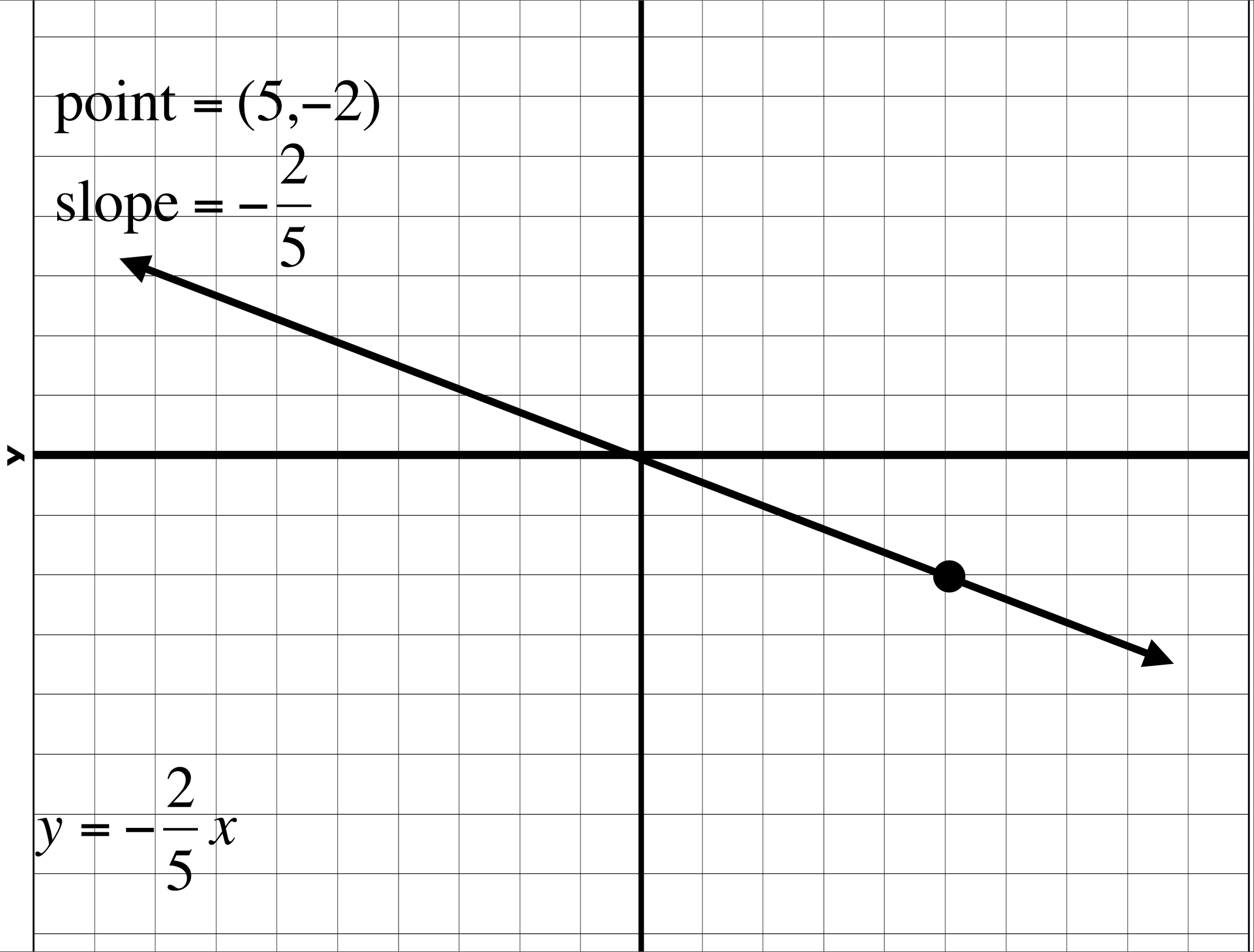
point = (5,−2)

slope = $-\frac{2}{5}$



point = (5,−2)

slope = $-\frac{2}{5}$



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

3. Classwork

pg. 255 // #13 - 19

4. Classwork Answers

4. Classwork Answers

13.

$$y = -\frac{3}{2}x - 10$$

4. Classwork Answers

13.

$$y = -\frac{3}{2}x - 10$$

14.

$$y = x - 4$$

4. Classwork Answers

13.

$$y = -\frac{3}{2}x - 10$$

14.

$$y = x - 4$$

15.

$$y = -3x + 7$$

4. Classwork Answers

13.

$$y = -\frac{3}{2}x - 10$$

14.

$$y = x - 4$$

15.

$$y = -3x + 7$$

16.

$$y = 2$$

4. Classwork Answers

13. $y = -\frac{3}{2}x - 10$

14. $y = x - 4$

15. $y = -3x + 7$

16. $y = 2$

17. $y = -\frac{1}{5}x - \frac{39}{5}$

4. Classwork Answers

13. $y = -\frac{3}{2}x - 10$

14. $y = x - 4$

15. $y = -3x + 7$

16. $y = 2$

17. $y = -\frac{1}{5}x - \frac{39}{5}$

18. $y = \frac{2}{3}x + 5$

4. Classwork Answers

13. $y = -\frac{3}{2}x - 10$

14. $y = x - 4$

15. $y = -3x + 7$

16. $y = 2$

17. $y = -\frac{1}{5}x - \frac{39}{5}$

18. $y = \frac{2}{3}x + 5$

19. $y = x + 1$

4. Classwork Answers

13. $y = -\frac{3}{2}x - 10$

14. $y = x - 4$

15. $y = -3x + 7$

16. $y = 2$

17. $y = -\frac{1}{5}x - \frac{39}{5}$

18. $y = \frac{2}{3}x + 5$

19. $y = x + 1$

20. $y = \frac{5}{3}x$

4. Classwork Answers

13. $y = -\frac{3}{2}x - 10$

14. $y = x - 4$

15. $y = -3x + 7$

16. $y = 2$

17. $y = -\frac{1}{5}x - \frac{39}{5}$

18. $y = \frac{2}{3}x + 5$

19. $y = x + 1$

20. $y = \frac{5}{3}x$

21. $y = -\frac{6}{5}x + \frac{14}{5}$

4. Classwork Answers

13. $y = -\frac{3}{2}x - 10$

14. $y = x - 4$

15. $y = -3x + 7$

16. $y = 2$

17. $y = -\frac{1}{5}x - \frac{39}{5}$

18. $y = \frac{2}{3}x + 5$

19. $y = x + 1$

20. $y = \frac{5}{3}x$

21. $y = -\frac{6}{5}x + \frac{14}{5}$

22. $y = -x + 2$

4. Classwork Answers

13. $y = -\frac{3}{2}x - 10$

14. $y = x - 4$

15. $y = -3x + 7$

16. $y = 2$

17. $y = -\frac{1}{5}x - \frac{39}{5}$

18. $y = \frac{2}{3}x + 5$

19. $y = x + 1$

20. $y = \frac{5}{3}x$

21. $y = -\frac{6}{5}x + \frac{14}{5}$

22. $y = -x + 2$

23. $y = \frac{1}{6}x - \frac{29}{6}$

4. Classwork Answers

13. $y = -\frac{3}{2}x - 10$

14. $y = x - 4$

15. $y = -3x + 7$

16. $y = 2$

17. $y = -\frac{1}{5}x - \frac{39}{5}$

18. $y = \frac{2}{3}x + 5$

19. $y = x + 1$

20. $y = \frac{5}{3}x$

21. $y = -\frac{6}{5}x + \frac{14}{5}$

22. $y = -x + 2$

23. $y = \frac{1}{6}x - \frac{29}{6}$

24. $y = \frac{1}{3}x - 3$

5. Break

6. Show and Tell

y

$y = 3x + 4$

$y = 3x - 2$

$y = 3x - 8$

y

$y = 3x + 4$

$y = 3x - 2$

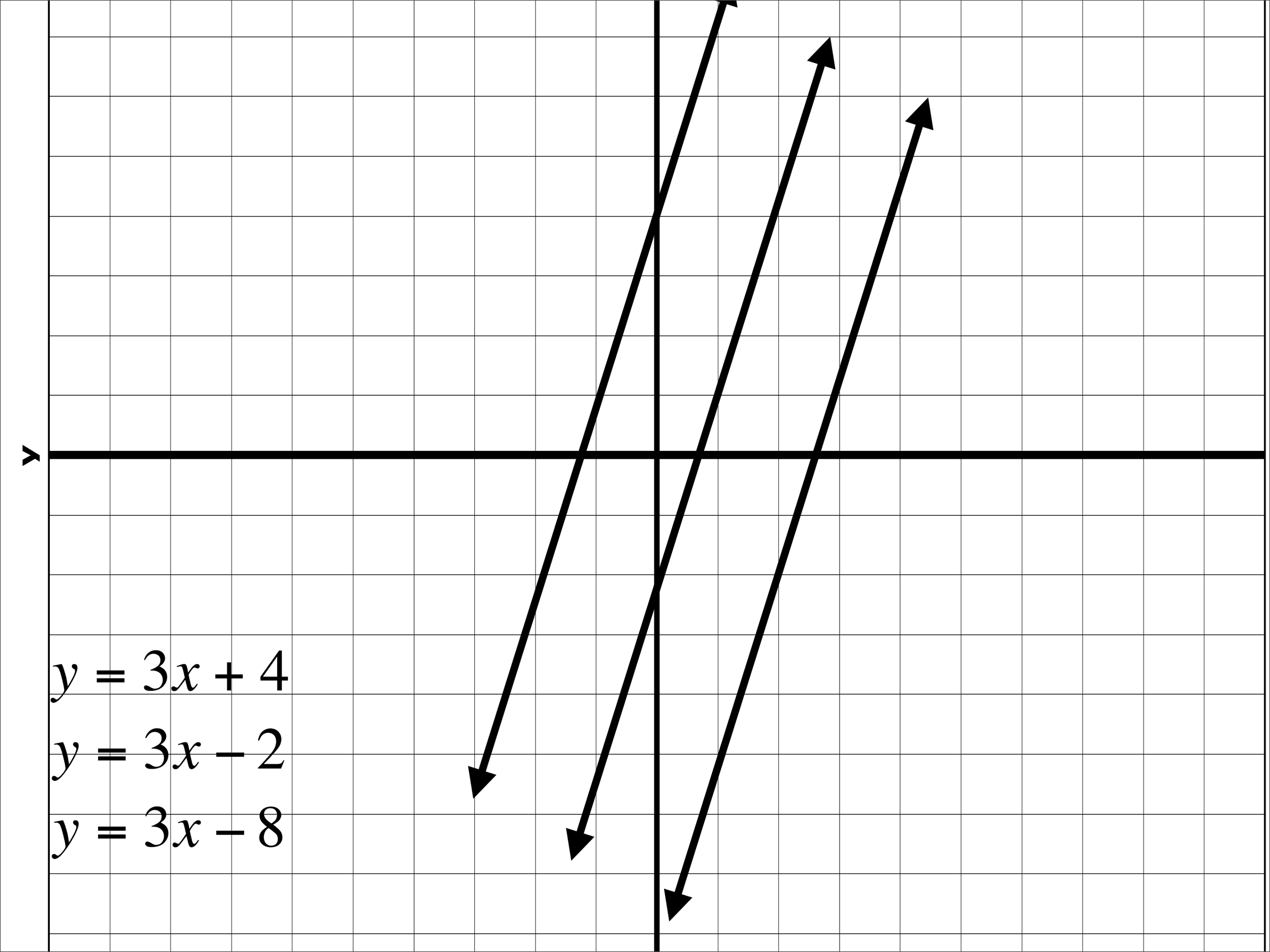
$y = 3x - 8$

y

$y = 3x + 4$

$y = 3x - 2$

$y = 3x - 8$


y
$y = 3x + 4$
$y = 3x - 2$
$y = 3x - 8$

y

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

$$y = \frac{1}{2}x + 2$$

y

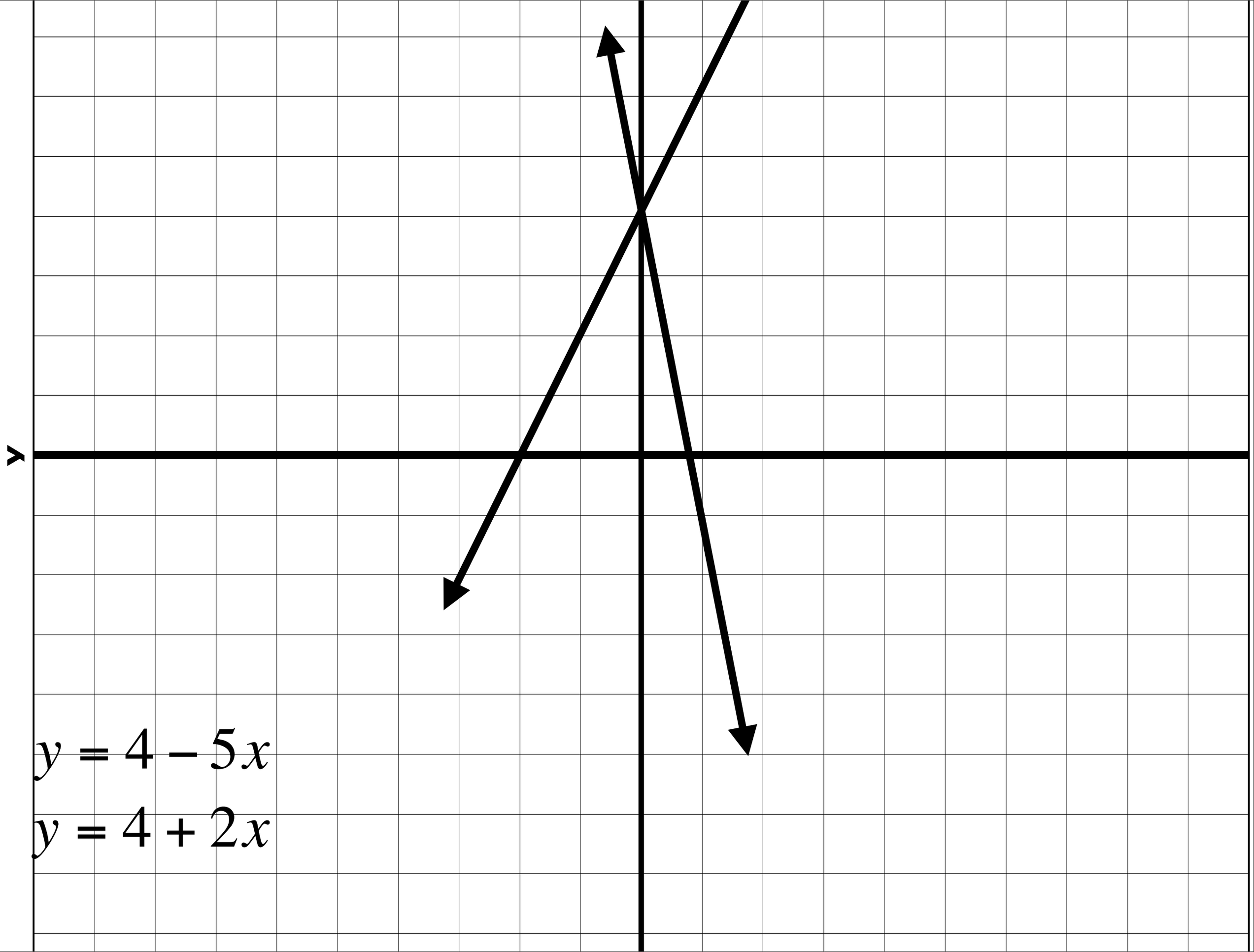
$y = \frac{1}{2}x - 3$

$y = \frac{1}{2}x + 2$

y

$y = 4 - 5x$

$y = 4 + 2x$



$y = 4 - 5x$

$y = 4 + 2x$

y

$$4y - 6x = 8$$

$$3x - 2y = 6$$

y

$4y - 6x = 8$

$3x - 2y = 6$

y

y

y

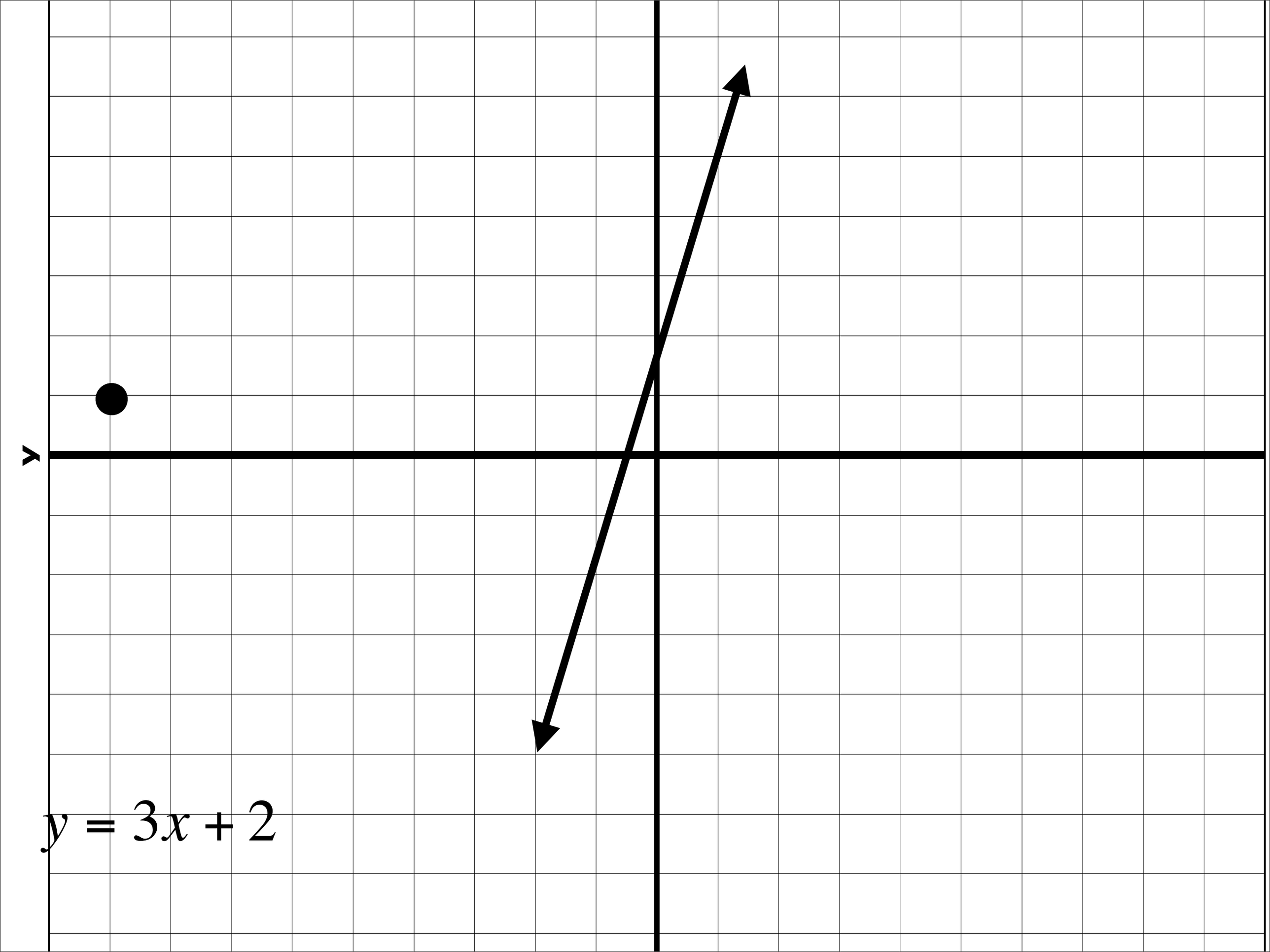
$$y = \frac{1}{2}x + 4$$

y

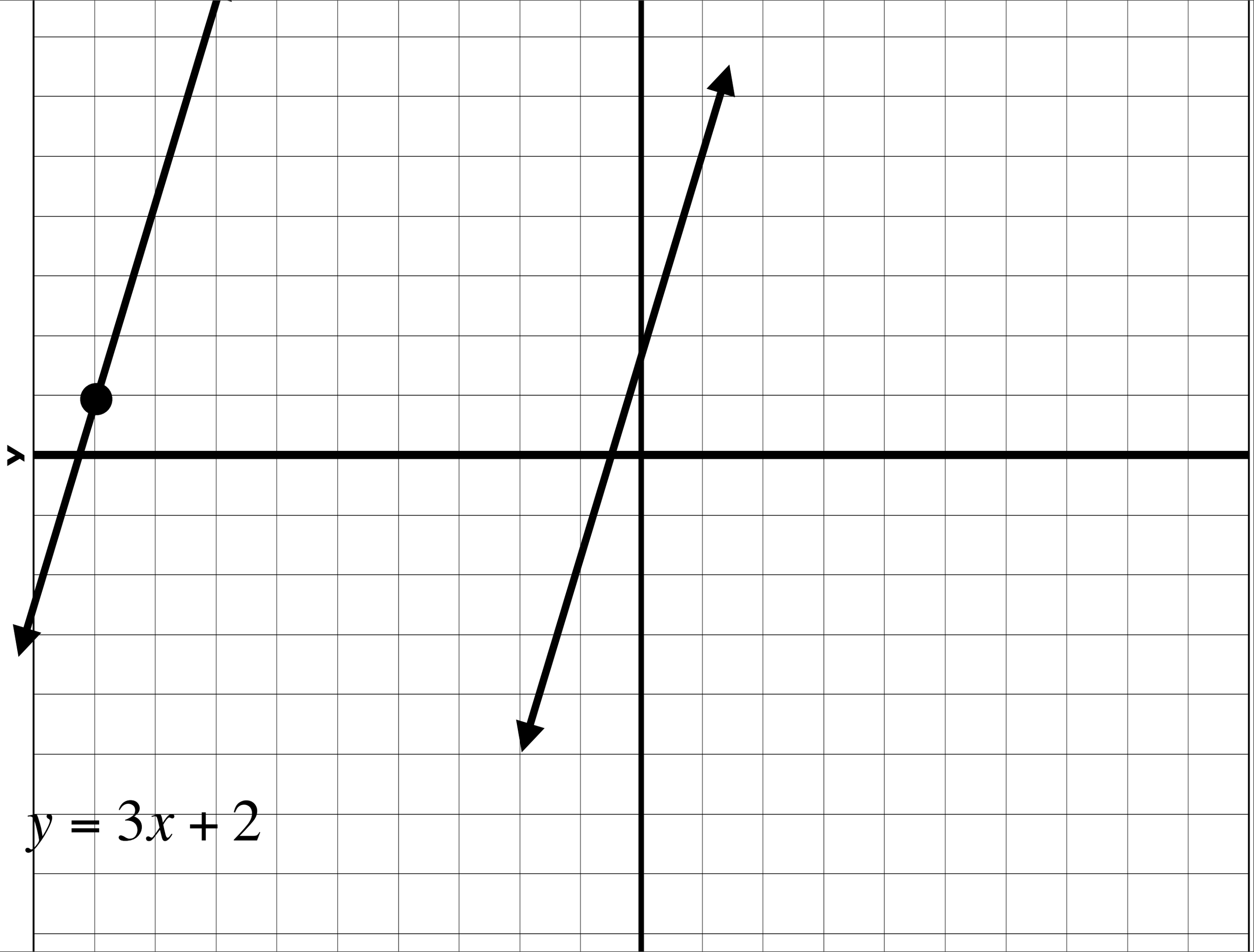
$$y = \frac{1}{2}x + 4$$

y

y



$y = 3x + 2$



$y = 3x + 2$

7. Classwork

pg. 262 // #7 - 18

8. Classwork Answers

8. Classwork Answers

7. no (4 & 4/3)

8. Classwork Answers

7. no (4 & 4/3)

8. yes (-3/2 & -3/2)

8. Classwork Answers

7. no (4 & 4/3)

8. yes (-3/2 & -3/2)

9. yes (1/3 & 1/3)

8. Classwork Answers

7. no (4 & 4/3)

8. yes (-3/2 & -3/2)

9. yes (1/3 & 1/3)

10. no (-1/2 & 1/2)

8. Classwork Answers

7. no (4 & 4/3)

8. yes (-3/2 & -3/2)

9. yes (1/3 & 1/3)

10. no (-1/2 & 1/2)

11. yes (-3 & 3)

8. Classwork Answers

7. no (4 & 4/3)

8. yes (-3/2 & -3/2)

9. yes (1/3 & 1/3)

10. no (-1/2 & 1/2)

11. yes (-3 & 3)

12. yes (3/4 & 3/4)

8. Classwork Answers

7. no (4 & 4/3)

8. yes (-3/2 & -3/2)

9. yes (1/3 & 1/3)

10. no (-1/2 & 1/2)

11. yes (-3 & 3)

12. yes (3/4 & 3/4)

13. $y = 6x$

8. Classwork Answers

7. no (4 & 4/3)

8. yes (-3/2 & -3/2)

9. yes (1/3 & 1/3)

10. no (-1/2 & 1/2)

11. yes (-3 & 3)

12. yes (3/4 & 3/4)

13. $y = 6x$

14. $y = -3x + 9$

8. Classwork Answers

7. no (4 & 4/3)

8. yes (-3/2 & -3/2)

9. yes (1/3 & 1/3)

10. no (-1/2 & 1/2)

11. yes (-3 & 3)

12. yes (3/4 & 3/4)

13. $y = 6x$

14. $y = -3x + 9$

15. $y = -2x + 1$

8. Classwork Answers

7. no (4 & 4/3)

8. yes (-3/2 & -3/2)

9. yes (1/3 & 1/3)

10. no (-1/2 & 1/2)

11. yes (-3 & 3)

12. yes (3/4 & 3/4)

13. $y = 6x$

14. $y = -3x + 9$

15. $y = -2x + 1$

16. $y = -\frac{7}{2}x - 20$

8. Classwork Answers

7. no (4 & 4/3)

8. yes (-3/2 & -3/2)

9. yes (1/3 & 1/3)

10. no (-1/2 & 1/2)

11. yes (-3 & 3)

12. yes (3/4 & 3/4)

13. $y = 6x$

14. $y = -3x + 9$

15. $y = -2x + 1$

16. $y = -\frac{7}{2}x - 20$

17. $y = .5x - 9$

8. Classwork Answers

7. no (4 & 4/3)

8. yes (-3/2 & -3/2)

9. yes (1/3 & 1/3)

10. no (-1/2 & 1/2)

11. yes (-3 & 3)

12. yes (3/4 & 3/4)

13. $y = 6x$

14. $y = -3x + 9$

15. $y = -2x + 1$

16. $y = -\frac{7}{2}x - 20$

17. $y = .5x - 9$

18. $y = -\frac{2}{3}x + \frac{1}{3}$

Friday, 11/21/08:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	80	**85**	**95**	**100**	65	**81**	85	60	**45**	9						71
Sixth	**100**	73	**95**	95	**68**	73	**91**	**64**	43	**33**						**74**

Friday, 11/21/08:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	80	**85**	**95**	**100**	65	**81**	85	60	**77**	9						74
Sixth	**100**	73	**95**	95	**68**	73	**91**	**64**	62	**33**						**75**

x	-4	-2	-20		
y	10	-2		52	

9. Concept Quiz

x	-4	-2	-20		
y	10	-2		52	