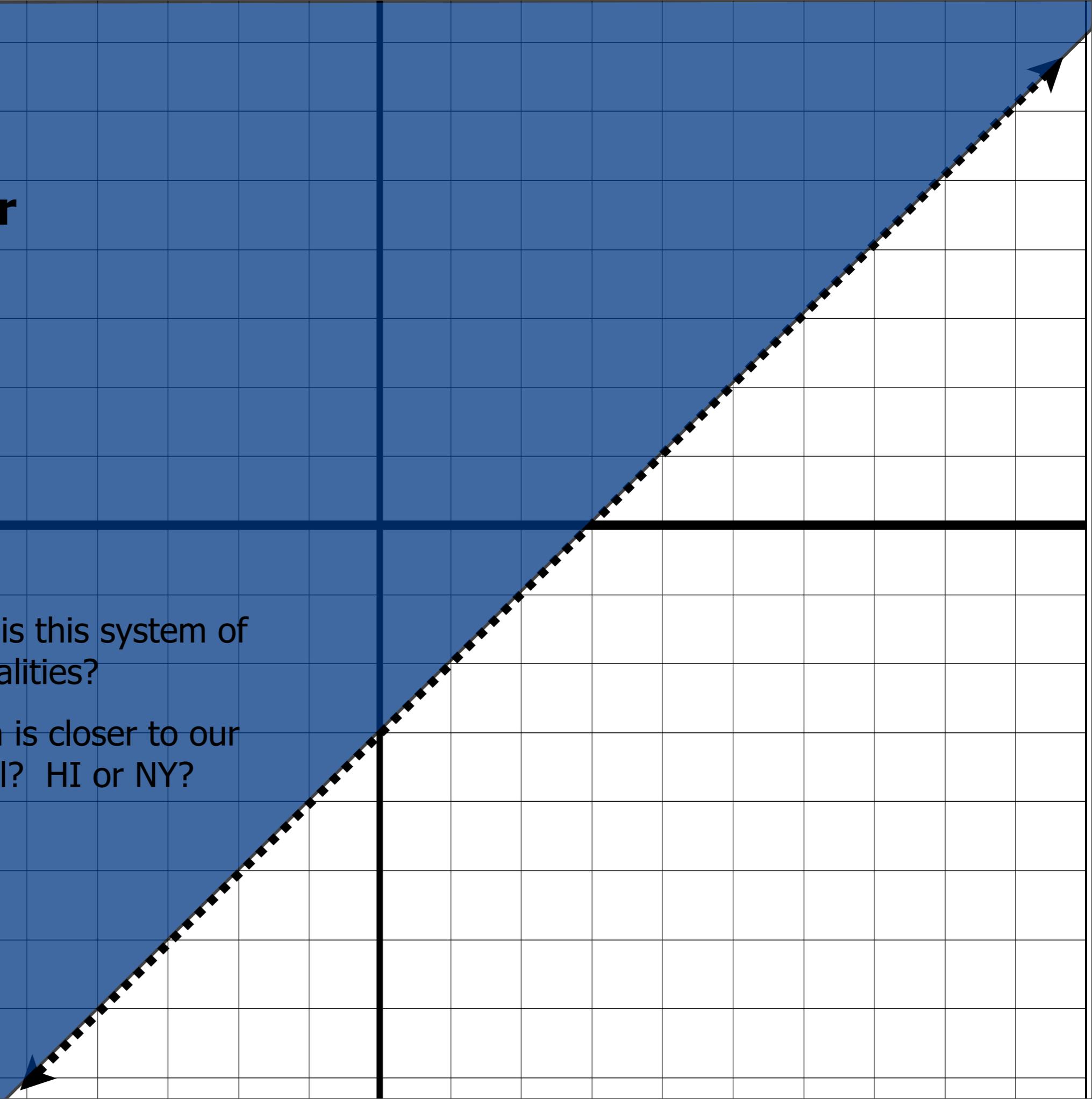


Day 50

1. Opener

- a) What is this system of inequalities?
- b) Which is closer to our school? HI or NY?

y

































매일경제

mk.co.kr
2009년 1월21일 수요일
제1000호 214 원

대주건설 퇴출
내달 2차 평가

굿모닝! Mr. President

오바마 제44대 미대통령 취임
"제2국 심정으로 미국 재건"



2009년 1월 21일 14시 30분 2009년
[미국인들 환영호 북돋움] 2009년 1월 20일(현지시간) 워싱턴에서 취임식을 치른 오바마 대통령은 취임식 당일 밤 11시 30분(한국시간 21일 새벽 1시 30분)에 백악관 서쪽 연못에서 취임 축하 연설을 하고 있다. 오바마 대통령은 취임식에서 "미국을 재건하고 희망을 되찾기 위해 노력하겠다"고 말했다. 그는 22년 만에 정권 교체된 오바마가 미국 역사상 처음으로 흑인 대통령으로 취임했다. 오바마는 취임식에서 "미국을 재건하고 희망을 되찾기 위해 노력하겠다"고 말했다. 그는 22년 만에 정권 교체된 오바마가 미국 역사상 처음으로 흑인 대통령으로 취임했다.

Guantanamo Bay



COMMANDER
BARACK

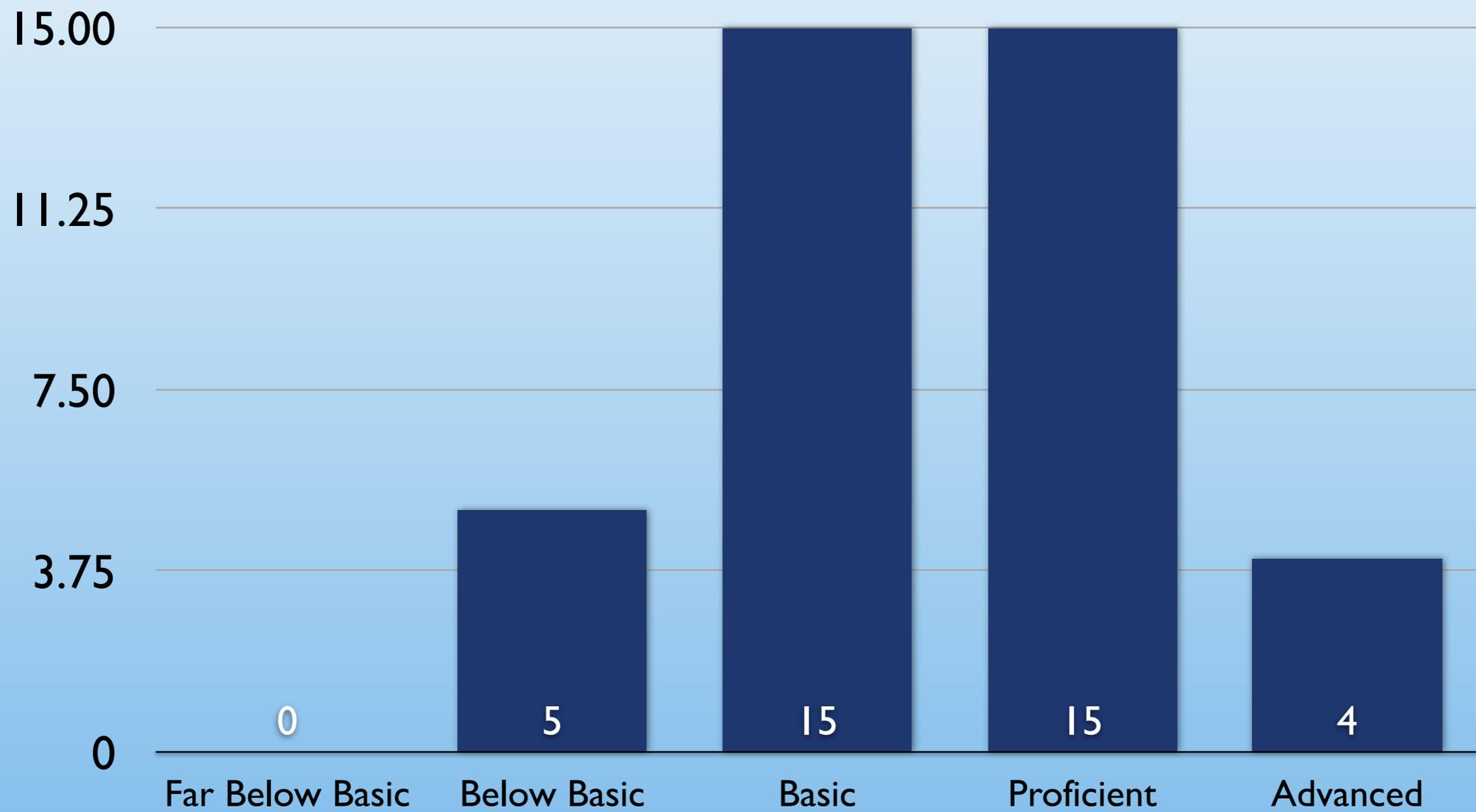
THE WHITE HOUSE
WASHINGTON, DC 20502

44

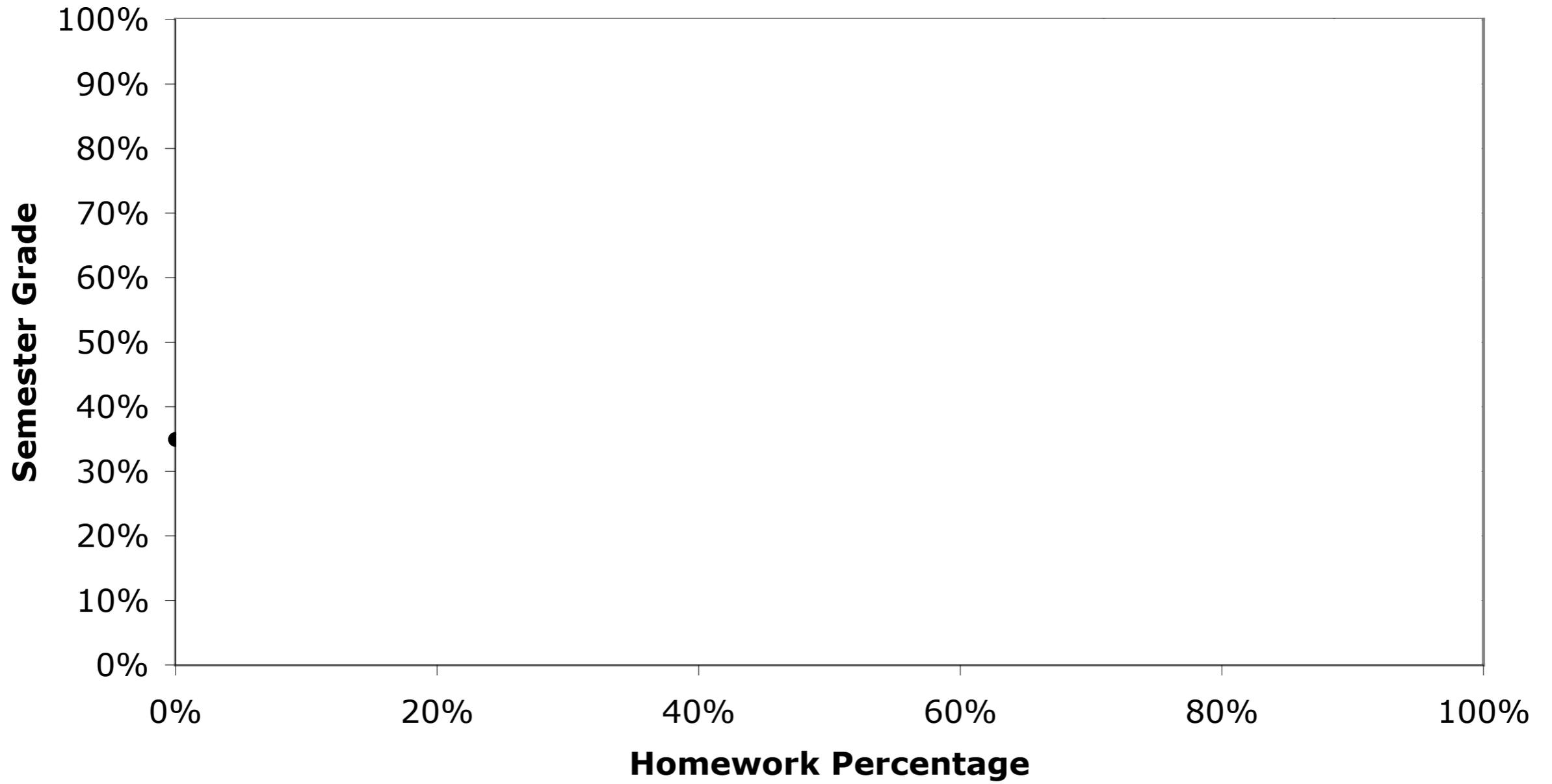
Tuesday, 1/20/09:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
Fourth	89	84	95	100	89	89	89	72	80	58	37	50	53	67		75
Sixth	100	82	95	95	73	77	91	68	95	64	73	50	57	86		79

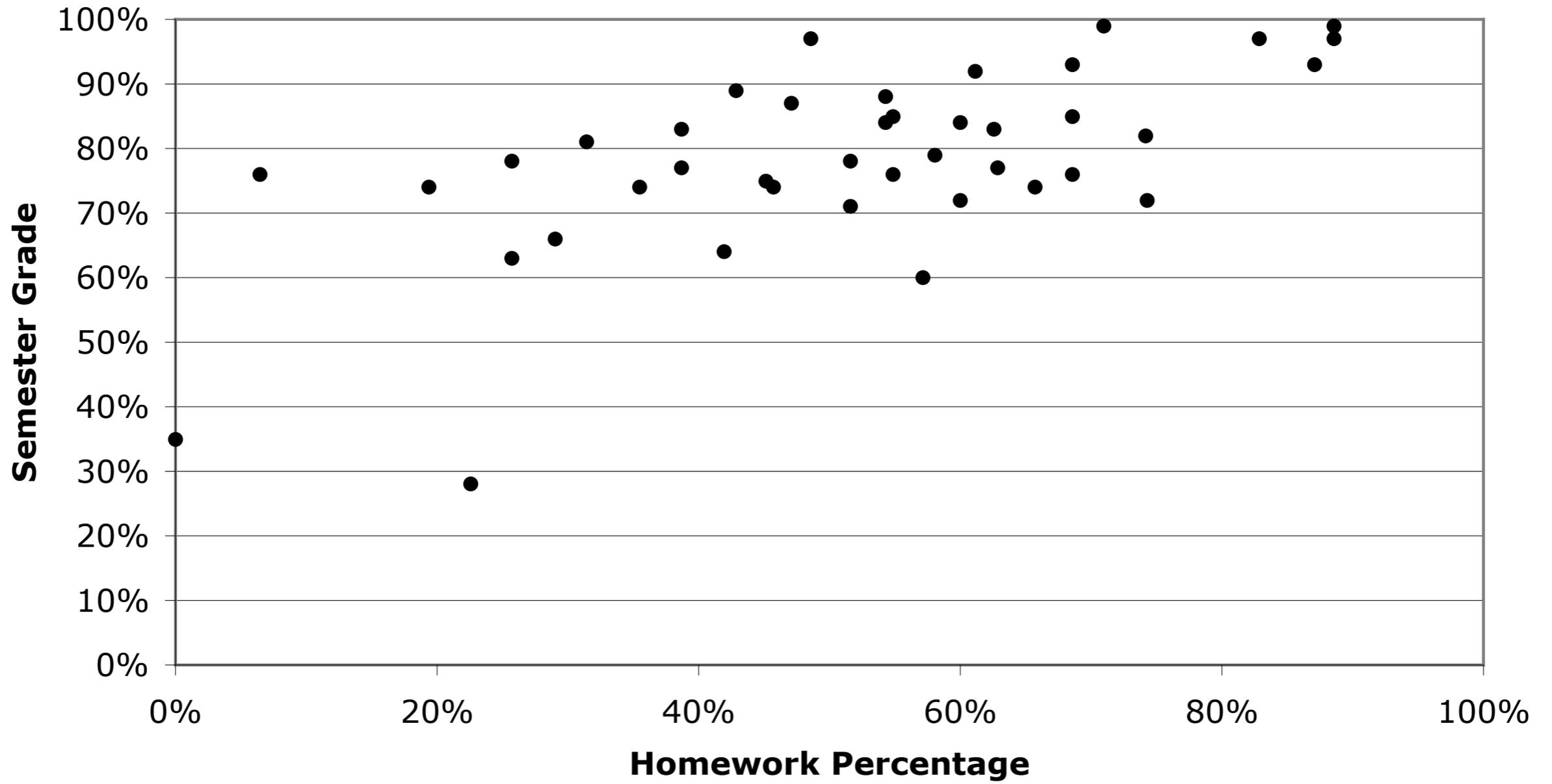
2. Final Exam Breakdown



Algebra 1



Algebra 1



4. The Eight Hardest Final Exam Problems

5. 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.

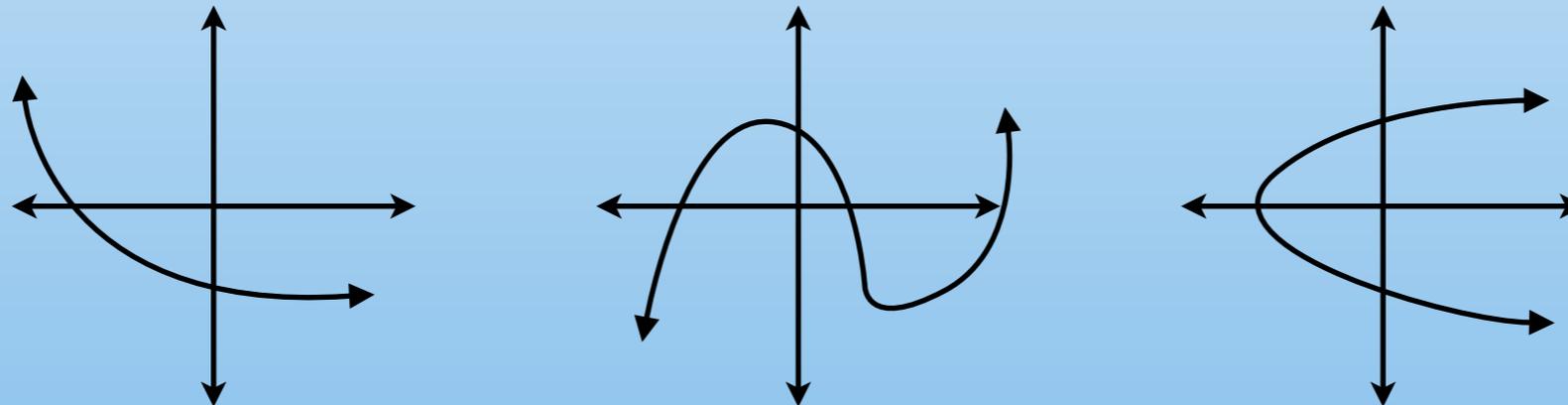
Day 51

1. Opener

a) Which is larger? Column A or Column B?

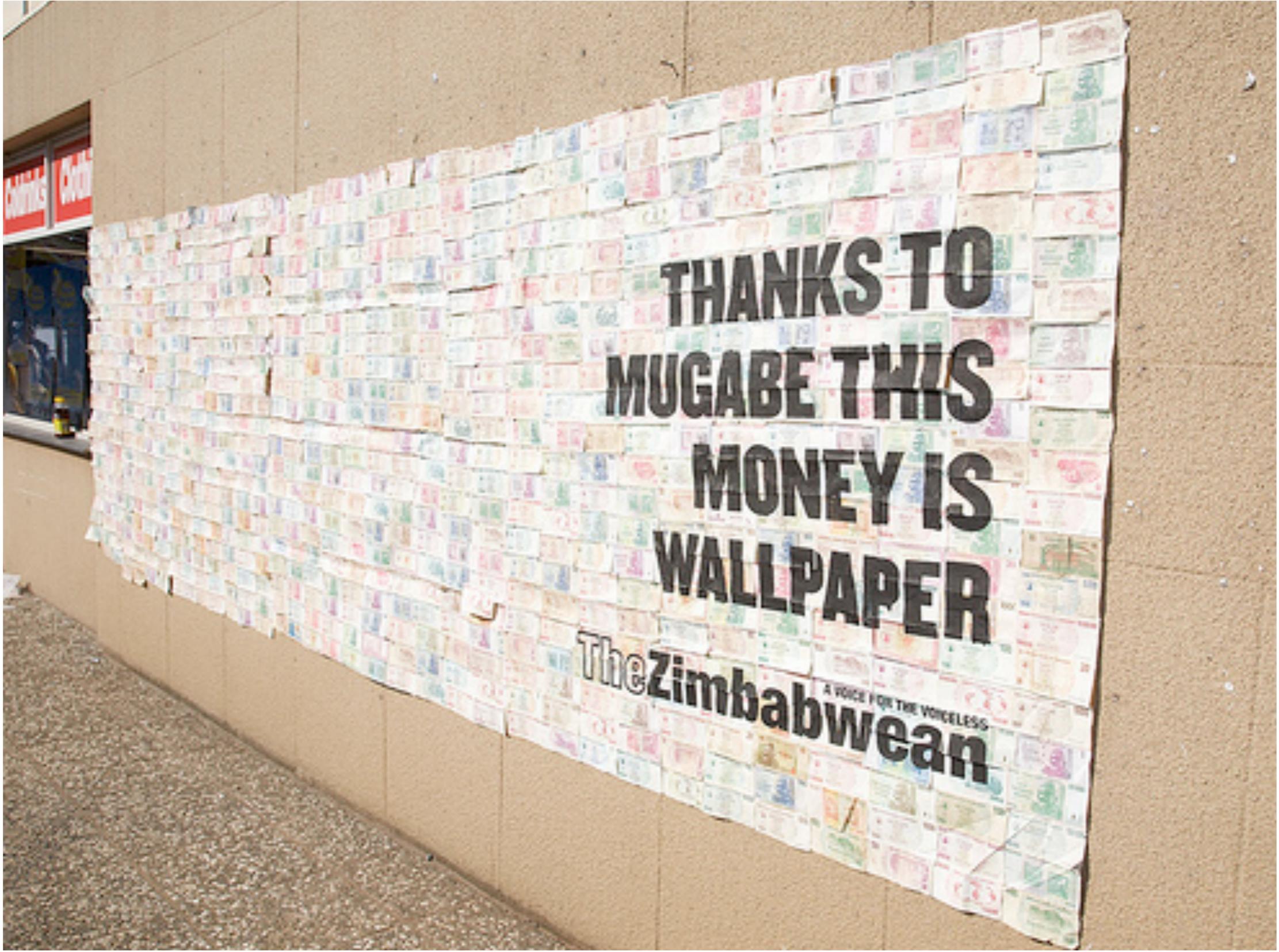
A	B
$4 \cdot 3^2$	$3 \cdot 4^2$
the x-intercept of: $2x + 3y = 12$	the y-intercept of: $2x + 3y = 12$

b) Which of these are functions? Why or why not?



c) The Zimbabwean government recently released a \$10,000,000 note. How much is it worth in US dollars?



A photograph of a wall covered in Zimbabwean banknotes of various denominations, including 100, 50, and 20 notes. The wall is made of light brown concrete blocks. The banknotes are arranged in a grid pattern, creating a colorful mosaic. In the background, a window with a red sign is visible. The overall scene is a protest against the Zimbabwean government's economic policies.

**THANKS TO
MUGABE THIS
MONEY IS
WALLPAPER**

The Zimbabwean
A VOICE FOR THE VOICELESS

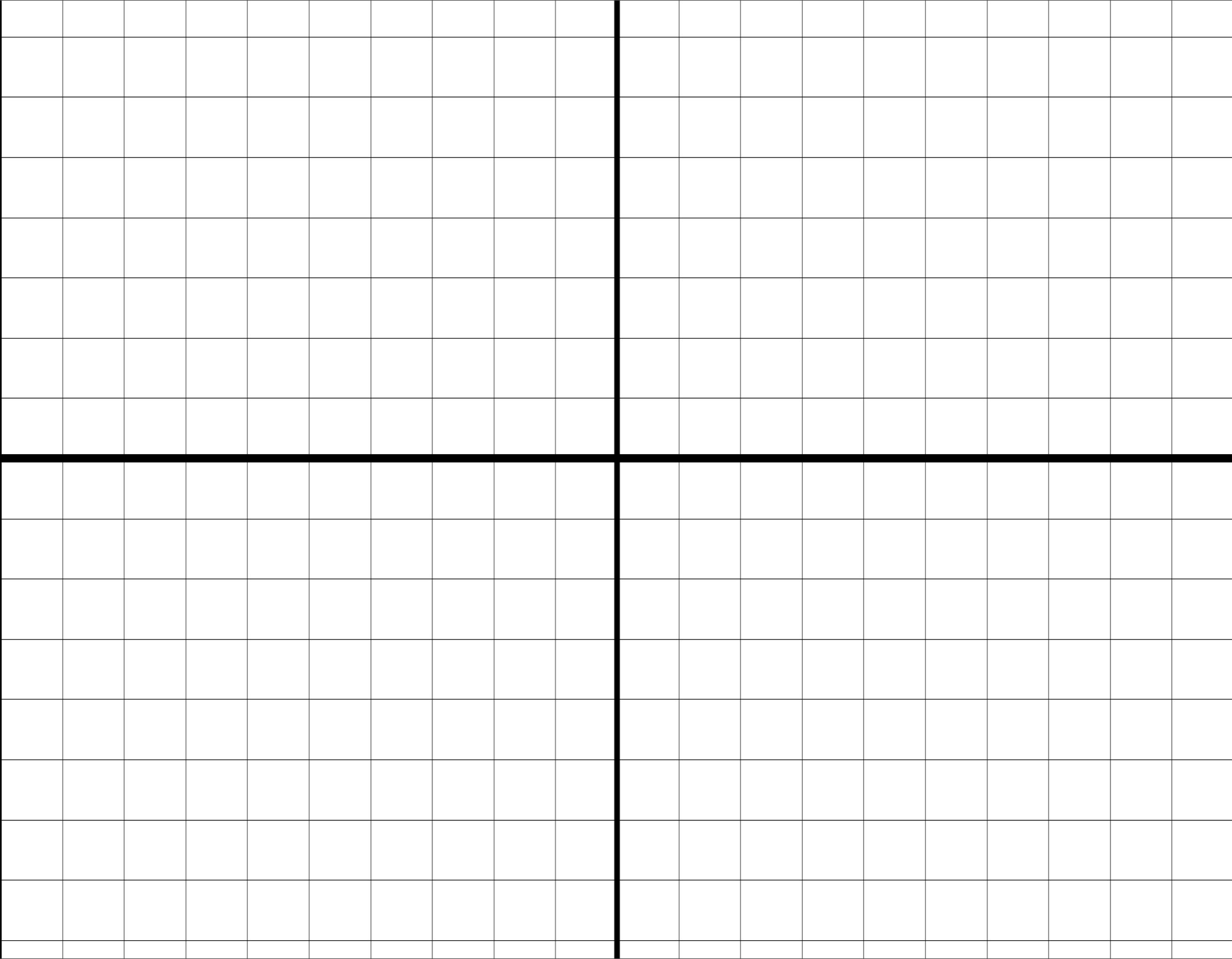
5. Homework

Practice

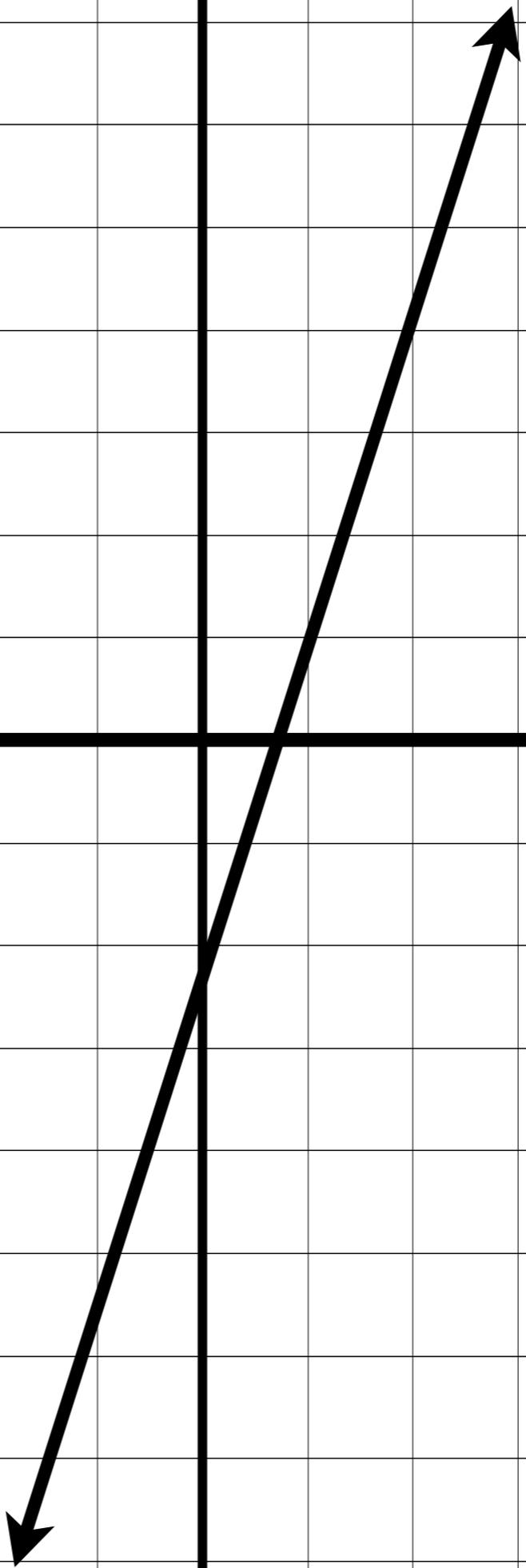
$$y \leq -3x + 2$$

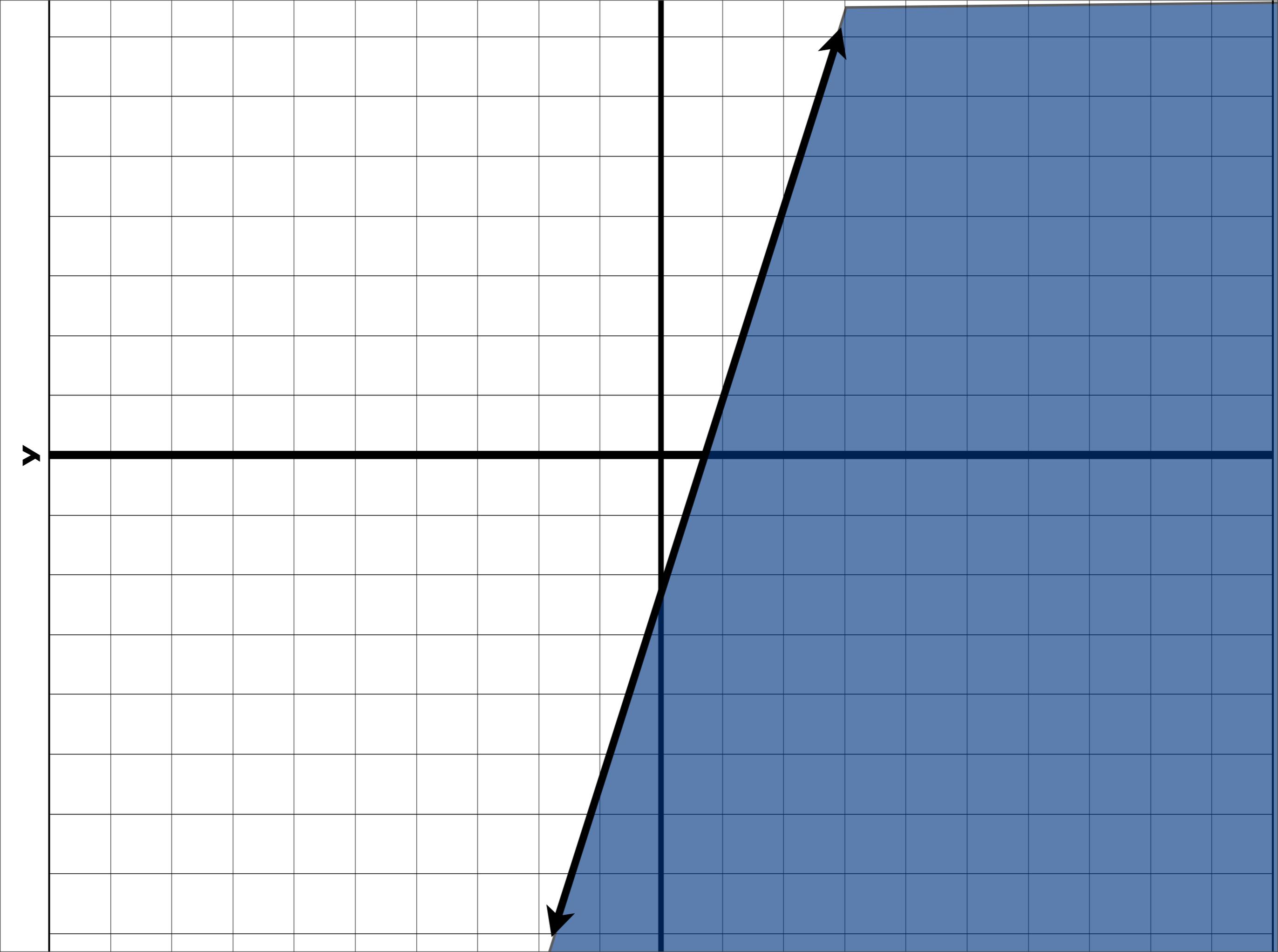
$$2y + 5x > 10$$

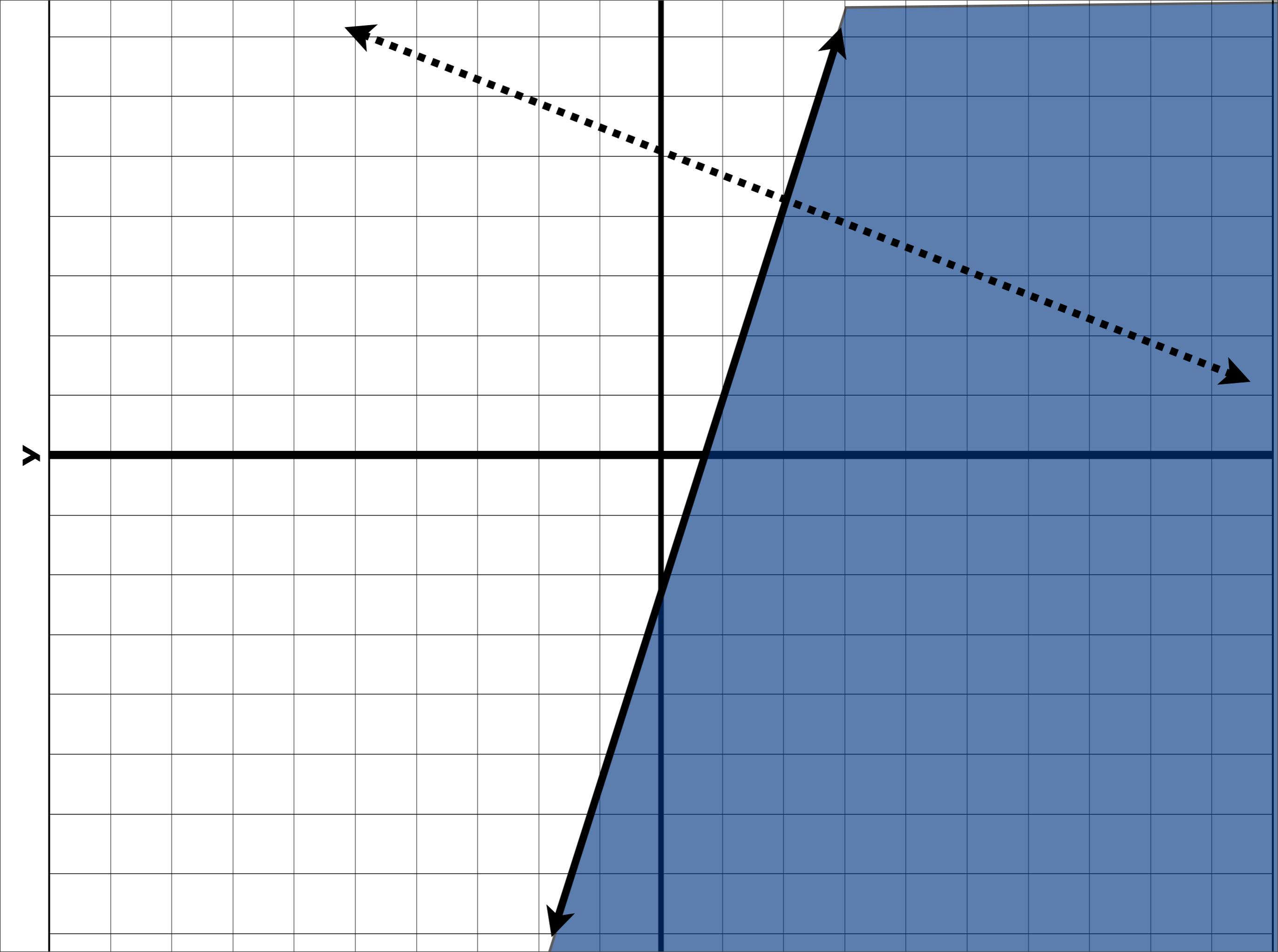
y

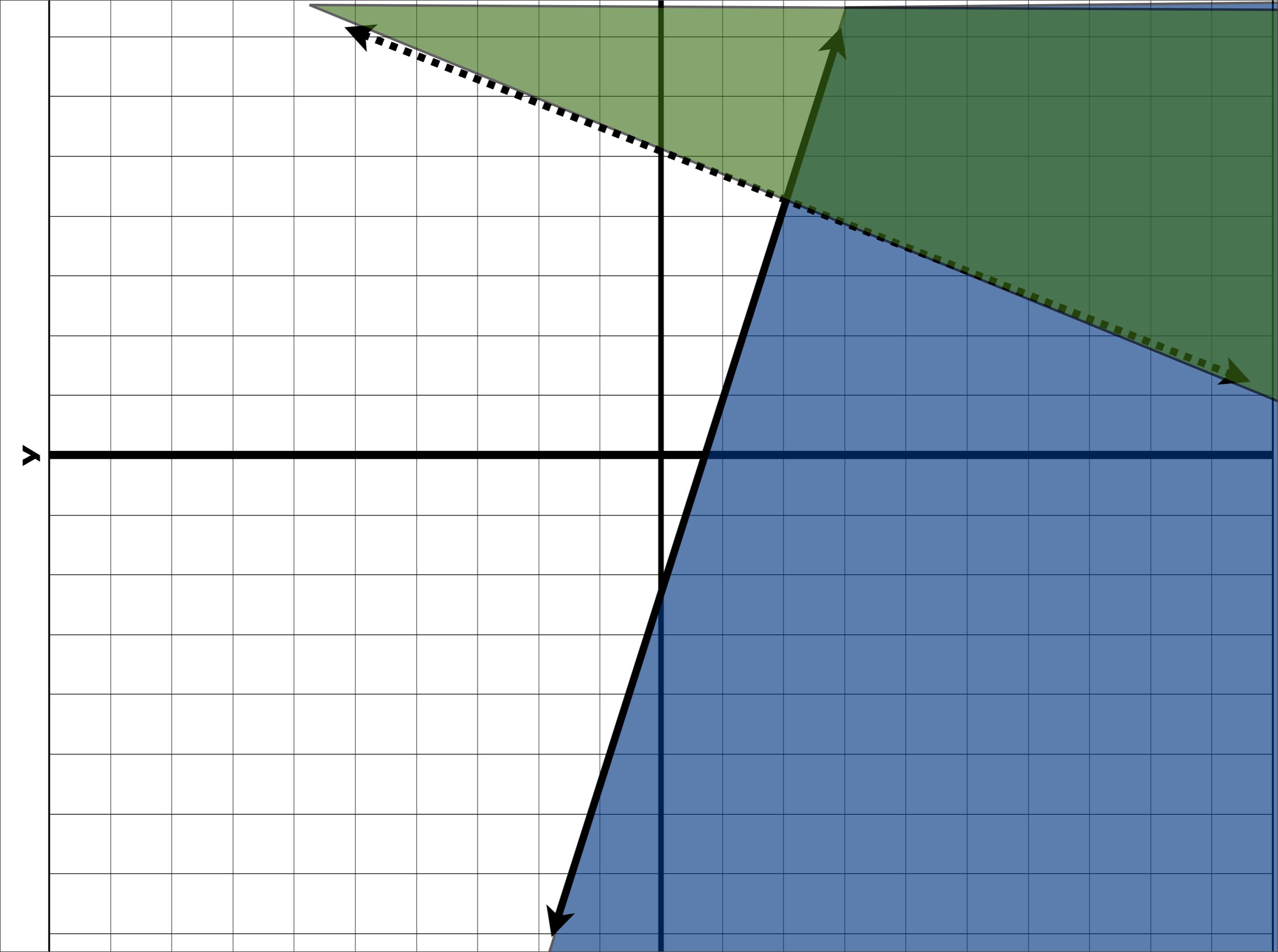


y









2. The Millionaire and the Girl

2. The Millionaire and the Girl

Day	Cash Made
------------	------------------

2. The Millionaire and the Girl

Day	Cash Made
1	\$0.01

2. The Millionaire and the Girl

Day	Cash Made
1	\$0.01
2	\$0.02

2. The Millionaire and the Girl

Day	Cash Made
1	\$0.01
2	\$0.02
3	\$0.04

2. The Millionaire and the Girl

Day	Cash Made
1	\$0.01
2	\$0.02
3	\$0.04
4	\$0.08

2. The Millionaire and the Girl

Day	Cash Made
1	\$0.01
2	\$0.02
3	\$0.04
4	\$0.08
5	\$0.16

2. The Millionaire and the Girl

Day	Cash Made
1	\$0.01
2	\$0.02
3	\$0.04
4	\$0.08
5	\$0.16
6	\$0.32

2. The Millionaire and the Girl

Day	Cash Made
1	\$0.01
2	\$0.02
3	\$0.04
4	\$0.08
5	\$0.16
6	\$0.32
7	\$0.64

2. The Millionaire and the Girl

Day	Cash Made
1	\$0.01
2	\$0.02
3	\$0.04
4	\$0.08
5	\$0.16
6	\$0.32
7	\$0.64
8	\$1.28

2. The Millionaire and the Girl

Day	Cash Made
1	\$0.01
2	\$0.02
3	\$0.04
4	\$0.08
5	\$0.16
6	\$0.32
7	\$0.64
8	\$1.28
9	\$2.56

2. The Millionaire and the Girl

Day	Cash Made
1	\$0.01
2	\$0.02
3	\$0.04
4	\$0.08
5	\$0.16
6	\$0.32
7	\$0.64
8	\$1.28
9	\$2.56
10	\$5.12

2. The Millionaire and the Girl

2. The Millionaire and the Girl

Day	Cash Made
------------	------------------

2. The Millionaire and the Girl

Day	Cash Made
11	\$10.24

2. The Millionaire and the Girl

Day	Cash Made
11	\$10.24
12	\$20.48

2. The Millionaire and the Girl

Day	Cash Made
11	\$10.24
12	\$20.48
13	\$40.96

2. The Millionaire and the Girl

Day	Cash Made
11	\$10.24
12	\$20.48
13	\$40.96
14	\$81.92

2. The Millionaire and the Girl

Day	Cash Made
11	\$10.24
12	\$20.48
13	\$40.96
14	\$81.92
15	\$163.84

2. The Millionaire and the Girl

Day	Cash Made
11	\$10.24
12	\$20.48
13	\$40.96
14	\$81.92
15	\$163.84
16	\$327.68

2. The Millionaire and the Girl

Day	Cash Made
11	\$10.24
12	\$20.48
13	\$40.96
14	\$81.92
15	\$163.84
16	\$327.68
17	\$655.36

2. The Millionaire and the Girl

Day	Cash Made
11	\$10.24
12	\$20.48
13	\$40.96
14	\$81.92
15	\$163.84
16	\$327.68
17	\$655.36
18	\$1310.72

2. The Millionaire and the Girl

Day	Cash Made
11	\$10.24
12	\$20.48
13	\$40.96
14	\$81.92
15	\$163.84
16	\$327.68
17	\$655.36
18	\$1310.72
19	\$2621.44

2. The Millionaire and the Girl

Day	Cash Made
11	\$10.24
12	\$20.48
13	\$40.96
14	\$81.92
15	\$163.84
16	\$327.68
17	\$655.36
18	\$1310.72
19	\$2621.44
20	\$5242.88

2. The Millionaire and the Girl

2. The Millionaire and the Girl

Day	Cash Made
------------	------------------

2. The Millionaire and the Girl

Day	Cash Made
21	\$10485.76

2. The Millionaire and the Girl

Day	Cash Made
21	\$10485.76
22	\$20971.52

2. The Millionaire and the Girl

Day	Cash Made
21	\$10485.76
22	\$20971.52
23	\$41943.04

2. The Millionaire and the Girl

Day	Cash Made
21	\$10485.76
22	\$20971.52
23	\$41943.04
24	\$83886.08

2. The Millionaire and the Girl

Day	Cash Made
21	\$10485.76
22	\$20971.52
23	\$41943.04
24	\$83886.08
25	\$167772.16

2. The Millionaire and the Girl

Day	Cash Made
21	\$10485.76
22	\$20971.52
23	\$41943.04
24	\$83886.08
25	\$167772.16
26	\$335544.32

2. The Millionaire and the Girl

Day	Cash Made
21	\$10485.76
22	\$20971.52
23	\$41943.04
24	\$83886.08
25	\$167772.16
26	\$335544.32
27	\$671088.64

2. The Millionaire and the Girl

Day	Cash Made
21	\$10485.76
22	\$20971.52
23	\$41943.04
24	\$83886.08
25	\$167772.16
26	\$335544.32
27	\$671088.64
28	\$1342177.28

2. The Millionaire and the Girl

Day	Cash Made
21	\$10485.76
22	\$20971.52
23	\$41943.04
24	\$83886.08
25	\$167772.16
26	\$335544.32
27	\$671088.64
28	\$1342177.28
29	\$2684354.56

2. The Millionaire and the Girl

Day	Cash Made
21	\$10485.76
22	\$20971.52
23	\$41943.04
24	\$83886.08
25	\$167772.16
26	\$335544.32
27	\$671088.64
28	\$1342177.28
29	\$2684354.56
30	\$5368709.12

2. The Millionaire and the Girl

Day	Cash Made
21	\$10485.76
22	\$20971.52
23	\$41943.04
24	\$83886.08
25	\$167772.16
26	\$335544.32
27	\$671088.64
28	\$1342177.28
29	\$2684354.56
30	\$5368709.12
Total	\$10737418.23

2. Notes - Exponents

$$2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \div 3 \div 3 \div 3 \div 3$$

2. Notes - Exponents

$$2^5 3^{-4}$$

2. Notes - Exponents

$$2^{42} 3^{-10}$$

2. Notes - Exponents

$$\frac{2^{42}}{3^{10}}$$

2. Notes - Exponents

$$\frac{2^{42}}{3^{10}}$$

$$2^{42} 3^{-10}$$

2. Notes - Exponents

$$\frac{1}{5^{-2}}$$

2. Notes - Exponents

$$5^2 5^{-2}$$

2. Notes - Exponents

$$(-5)^{-2}$$

$$\frac{ab^{-1}}{c^0}$$

$$-5^{-3}$$

$$\frac{10c^{-3}}{2d^{-2}}$$

3. Classwork

pg. 331 // #1 - 32

4. Break

5. Show and Tell

6. Scientific Notation

$$2^{42}$$

6. Scientific Notation

$$2^{99}$$

6. Scientific Notation

$$5^{-60}$$

6. Scientific Notation

$$6^{-14}$$

6. Scientific Notation

$$10^3$$

6. Scientific Notation

6. Scientific Notation

$$10^3$$

6. Scientific Notation

$$10^3 \quad 1000$$

6. Scientific Notation

10^3 1000

thousand

6. Scientific Notation

10^3 1000

thousand

10^6 1000000

6. Scientific Notation

10^3 1000

thousand

10^6 1000000

million

6. Scientific Notation

10^3 1000

thousand

10^6 1000000

million

10^9 1000000000

6. Scientific Notation

10^3	1000	thousand
10^6	1000000	million
10^9	1000000000	billion

6. Scientific Notation

10^3 1000 thousand

10^6 1000000 million

10^9 1000000000 billion

10^{12} 1000000000000

6. Scientific Notation

10^3	1000	thousand
10^6	1000000	million
10^9	1000000000	billion
10^{12}	1000000000000	trillion

6. Scientific Notation

10^3	1000	thousand
10^6	1000000	million
10^9	1000000000	billion
10^{12}	1000000000000	trillion
10^{15}	1000000000000000	

6. Scientific Notation

10^3	1000	thousand
10^6	1000000	million
10^9	1000000000	billion
10^{12}	1000000000000	trillion
10^{15}	1000000000000000	quadrillion

6. Scientific Notation

10^3	1000	thousand
10^6	1000000	million
10^9	1000000000	billion
10^{12}	1000000000000	trillion
10^{15}	1000000000000000	quadrillion
10^{18}	1000000000000000000	

6. Scientific Notation

10^3	1000	thousand
10^6	1000000	million
10^9	1000000000	billion
10^{12}	1000000000000	trillion
10^{15}	1000000000000000	quadrillion
10^{18}	1000000000000000000	quintillion

6. Scientific Notation

6. Scientific Notation

4828032000 millimeters

7. Classwork

1. 9,230,000,000
2. 12,530,000
3. 4,239,000,000,000,000,000
4. 512,000,000,000,000,000
5. 713
6. 1,249,000,234
7. 383,729,000,000,000,000,000,000,000,000
8. 2,392
9. 42
10. 9,170,000,000,000,000,000,000,573,000,000,000,000,000

7. Classwork

1. 9,230,000,000

9.23×10^9

2. 12,530,000

3. 4,239,000,000,000,000,000

4. 512,000,000,000,000,000

5. 713

6. 1,249,000,234

7. 383,729,000,000,000,000,000,000,000,000

8. 2,392

9. 42

10. 9,170,000,000,000,000,000,000,573,000,000,000,000,000

7. Classwork

1. 9,230,000,000

9.23×10^9

2. 12,530,000

1.25×10^7

3. 4,239,000,000,000,000,000

4. 512,000,000,000,000,000

5. 713

6. 1,249,000,234

7. 383,729,000,000,000,000,000,000,000,000

8. 2,392

9. 42

10. 9,170,000,000,000,000,000,000,573,000,000,000,000,000

7. Classwork

1. 9,230,000,000 9.23×10^9
2. 12,530,000 1.25×10^7
3. 4,239,000,000,000,000,000 4.24×10^{18}
4. 512,000,000,000,000,000
5. 713
6. 1,249,000,234
7. 383,729,000,000,000,000,000,000,000,000,000
8. 2,392
9. 42
10. 9,170,000,000,000,000,000,000,000,573,000,000,000,000,000

7. Classwork

1. 9,230,000,000 9.23×10^9
2. 12,530,000 1.25×10^7
3. 4,239,000,000,000,000,000 4.24×10^{18}
4. 512,000,000,000,000,000 5.12×10^{17}
5. 713
6. 1,249,000,234
7. 383,729,000,000,000,000,000,000,000,000,000
8. 2,392
9. 42
10. 9,170,000,000,000,000,000,000,000,573,000,000,000,000,000

7. Classwork

1. 9,230,000,000 9.23×10^9
2. 12,530,000 1.25×10^7
3. 4,239,000,000,000,000,000 4.24×10^{18}
4. 512,000,000,000,000,000 5.12×10^{17}
5. 713 7.13×10^2
6. 1,249,000,234
7. 383,729,000,000,000,000,000,000,000,000,000
8. 2,392
9. 42
10. 9,170,000,000,000,000,000,000,000,573,000,000,000,000,000

7. Classwork

1. 9,230,000,000 9.23×10^9
2. 12,530,000 1.25×10^7
3. 4,239,000,000,000,000,000 4.24×10^{18}
4. 512,000,000,000,000,000 5.12×10^{17}
5. 713 7.13×10^2
6. 1,249,000,234 1.25×10^9
7. 383,729,000,000,000,000,000,000,000,000,000
8. 2,392
9. 42
10. 9,170,000,000,000,000,000,000,000,573,000,000,000,000,000

7. Classwork

1. 9,230,000,000 9.23×10^9
2. 12,530,000 1.25×10^7
3. 4,239,000,000,000,000,000 4.24×10^{18}
4. 512,000,000,000,000,000 5.12×10^{17}
5. 713 7.13×10^2
6. 1,249,000,234 1.25×10^9
7. 383,729,000,000,000,000,000,000,000,000 3.84×10^{29}
8. 2,392
9. 42
10. 9,170,000,000,000,000,000,000,000,573,000,000,000,000,000

7. Classwork

1. 9,230,000,000 9.23×10^9
2. 12,530,000 1.25×10^7
3. 4,239,000,000,000,000,000 4.24×10^{18}
4. 512,000,000,000,000,000 5.12×10^{17}
5. 713 7.13×10^2
6. 1,249,000,234 1.25×10^9
7. 383,729,000,000,000,000,000,000,000,000 3.84×10^{29}
8. 2,392 2.39×10^3
9. 42
10. 9,170,000,000,000,000,000,000,573,000,000,000,000,000

7. Classwork

- | | | |
|-----|-------------------------------------------------------|-----------------------|
| 1. | 9,230,000,000 | 9.23×10^9 |
| 2. | 12,530,000 | 1.25×10^7 |
| 3. | 4,239,000,000,000,000,000 | 4.24×10^{18} |
| 4. | 512,000,000,000,000,000 | 5.12×10^{17} |
| 5. | 713 | 7.13×10^2 |
| 6. | 1,249,000,234 | 1.25×10^9 |
| 7. | 383,729,000,000,000,000,000,000,000,000 | 3.84×10^{29} |
| 8. | 2,392 | 2.39×10^3 |
| 9. | 42 | 4.20×10^1 |
| 10. | 9,170,000,000,000,000,000,000,573,000,000,000,000,000 | |

7. Classwork

- | | | |
|-----|-----------------------------------------------------------|-----------------------|
| 1. | 9,230,000,000 | 9.23×10^9 |
| 2. | 12,530,000 | 1.25×10^7 |
| 3. | 4,239,000,000,000,000,000 | 4.24×10^{18} |
| 4. | 512,000,000,000,000,000 | 5.12×10^{17} |
| 5. | 713 | 7.13×10^2 |
| 6. | 1,249,000,234 | 1.25×10^9 |
| 7. | 383,729,000,000,000,000,000,000,000,000 | 3.84×10^{29} |
| 8. | 2,392 | 2.39×10^3 |
| 9. | 42 | 4.20×10^1 |
| 10. | 9,170,000,000,000,000,000,000,000,573,000,000,000,000,000 | 9.17×10^{39} |

7. Classwork

7. Classwork

1. .0000284

7. Classwork

1. .0000284
2. .000000000973

7. Classwork

1. .0000284
2. .0000000000973
3. .000291874

7. Classwork

1. .0000284
2. .0000000000973
3. .000291874
4. .0000000000000000002849

7. Classwork

1. .0000284
2. .0000000000973
3. .000291874
4. .00000000000000002849
5. .005392

7. Classwork

1. .0000284
2. .0000000000973
3. .000291874
4. .00000000000000002849
5. .005392
6. .00000000049236

7. Classwork

1. .0000284
2. .0000000000973
3. .000291874
4. .00000000000000002849
5. .005392
6. .00000000049236
7. .3927

7. Classwork

1. .0000284
2. .000000000973
3. .000291874
4. .00000000000000002849
5. .005392
6. .00000000049236
7. .3927
8. .927583

7. Classwork

1. .0000284
2. .000000000973
3. .000291874
4. .00000000000000002849
5. .005392
6. .00000000049236
7. .3927
8. .927583
9. .0000000300000000693

7. Classwork

1. .0000284
2. .000000000973
3. .000291874
4. .0000000000000002849
5. .005392
6. .00000000049236
7. .3927
8. .927583
9. .0000000300000000693
10. .0000000000000000000000000000185

7. Classwork

1. .0000284
2. .000000000973
3. .000291874
4. .00000000000000002849
5. .005392
6. .00000000049236
7. .3927
8. .927583
9. .0000000369300000000587
10. .0000000000000000000000000000185

7. Classwork

1. .0000284
2. .000000000973
3. .000291874
4. .00000000000000002849
5. .005392
6. .00000000049236
7. .3927
8. .927583
9. .0000000369300000000587
10. .0000000000000000000000000000185

$$2.84 \times 10^{-5}$$

7. Classwork

1. .0000284 2.84×10^{-5}
2. .000000000973 9.73×10^{-10}
3. .000291874
4. .00000000000000002849
5. .005392
6. .00000000049236
7. .3927
8. .927583
9. .00000003693000000000587
10. .0000000000000000000000000000185

7. Classwork

1. .0000284 2.84×10^{-5}
2. .0000000000973 9.73×10^{-10}
3. .000291874 2.92×10^{-4}
4. .00000000000000002849 2.85×10^{-15}
5. .005392
6. .00000000049236
7. .3927
8. .927583
9. .00000003693000000000587
10. .0000000000000000000000000000185

7. Classwork

1. .0000284 2.84×10^{-5}
2. .0000000000973 9.73×10^{-10}
3. .000291874 2.92×10^{-4}
4. .00000000000000002849 2.85×10^{-15}
5. .005392 5.39×10^{-3}
6. .00000000049236 4.92×10^{-10}
7. .3927
8. .927583
9. .00000003693000000000587
10. .0000000000000000000000000000185

7. Classwork

1. .0000284 2.84×10^{-5}
2. .000000000973 9.73×10^{-10}
3. .000291874 2.92×10^{-4}
4. .0000000000000002849 2.85×10^{-15}
5. .005392 5.39×10^{-3}
6. .0000000049236 4.92×10^{-10}
7. .3927 3.92×10^{-1}
8. .927583
9. .000000369300000000587
10. .0000000000000000000000000000185

7. Classwork

- | | | |
|-----|----------------------------------|------------------------|
| 1. | .0000284 | 2.84×10^{-5} |
| 2. | .000000000973 | 9.73×10^{-10} |
| 3. | .000291874 | 2.92×10^{-4} |
| 4. | .0000000000000002849 | 2.85×10^{-15} |
| 5. | .005392 | 5.39×10^{-3} |
| 6. | .00000000049236 | 4.92×10^{-10} |
| 7. | .3927 | 3.92×10^{-1} |
| 8. | .927583 | 9.28×10^{-1} |
| 9. | .0000000369300000000587 | 3.69×10^{-8} |
| 10. | .0000000000000000000000000000185 | 1.85×10^{-25} |

8. Classwork

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9. Powers of Ten

9. Homework

Practice

Write in scientific notation:

145600000289

.00000042349

Challenge

Write in scientific notation:

145600000289

.00000042349