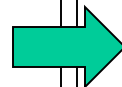Name: _____

ALGEBRA

CLUE

ALGEBRA 1/2
REVIEW

(C) 2014 Algebra Awesomeness
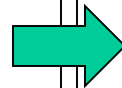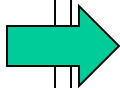
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OVER

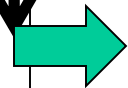| #	#	#

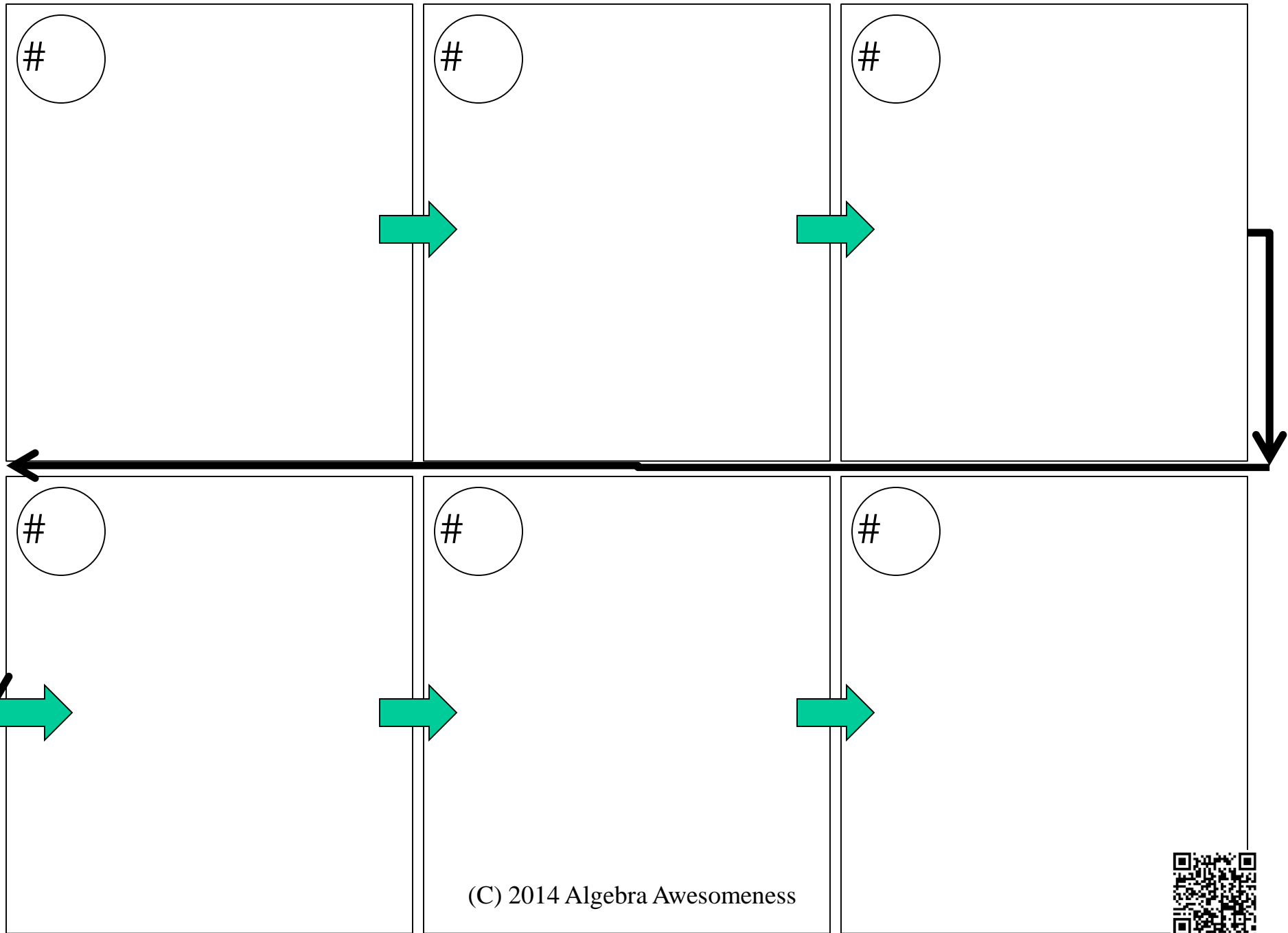| #	#	#

(C) 2014 Algebra Awesomeness
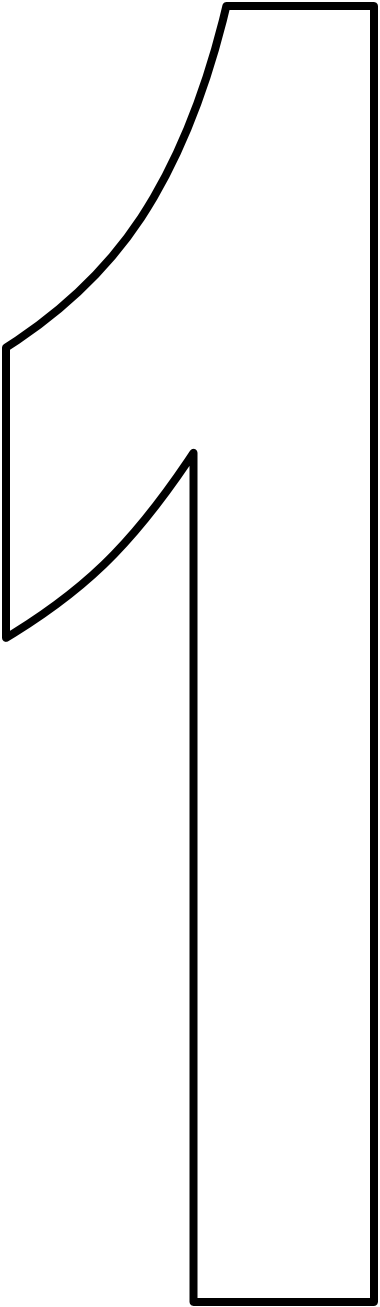
1
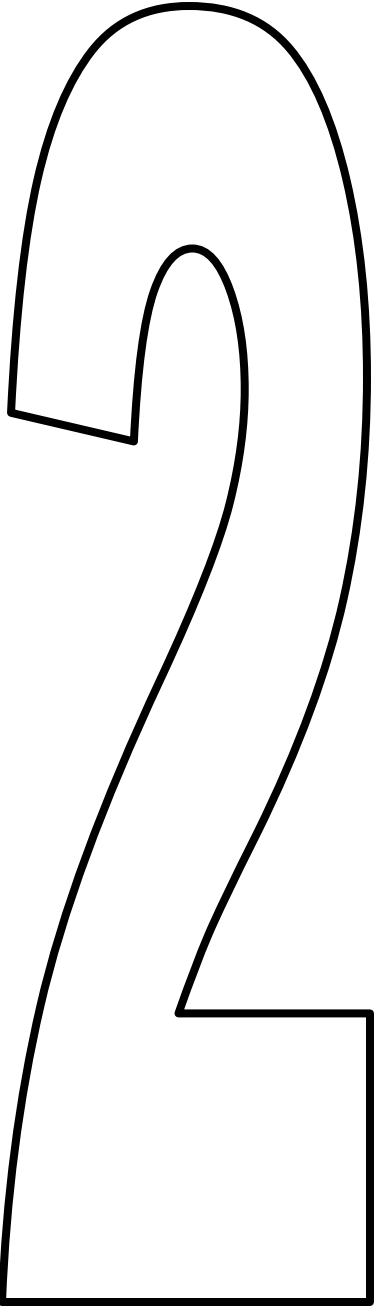
Running at a good pace, you can burn 150 calories in 20 minutes. How long would it take you to burn 255 calories at that pace?

A) 26   Mrs. Teal was in the cafeteria.

B) 48   Mr. Brown was in the library.

C) 34   Mr. Maroon was in the auditorium.

D) 1912   Miss Violet was in the principal's office.

E) 765,000   Dr. Navy was in the student center.

2

Dr. Hill charges $30 for a tutoring session, plus $0.25 per problem.
Write an equation to represent the problem. Then, determine how many problems he helped with if he charged $47.75

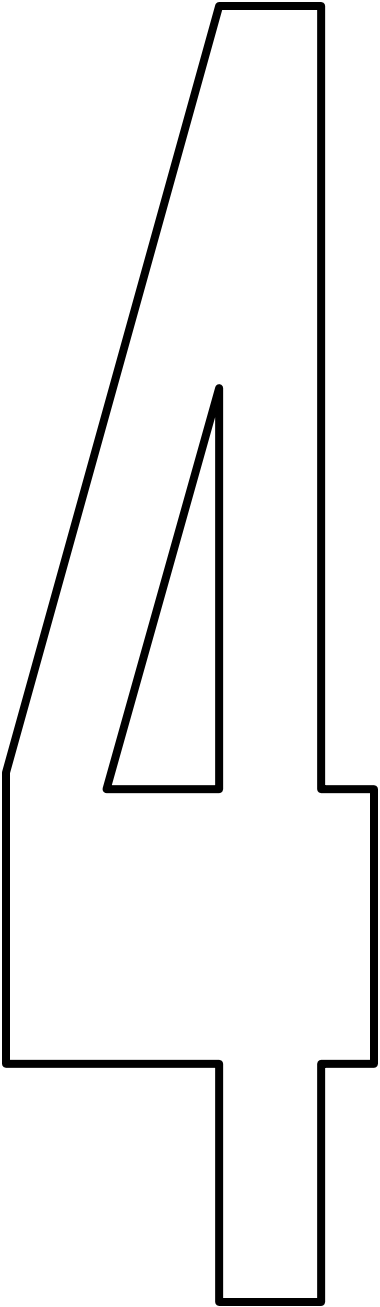A) 40   The weapon was not an algebra book.

B) 42   The weapon was not a promethean pen.

C) 67   The weapon was not a calculator.

D) 71   The weapon was not a protractor.

E) 83   The weapon was not cafeteria food.

3

This graph represents the speed of your grandmother's car when she drives you to school. What is happening between the 2nd & 4th minutes?
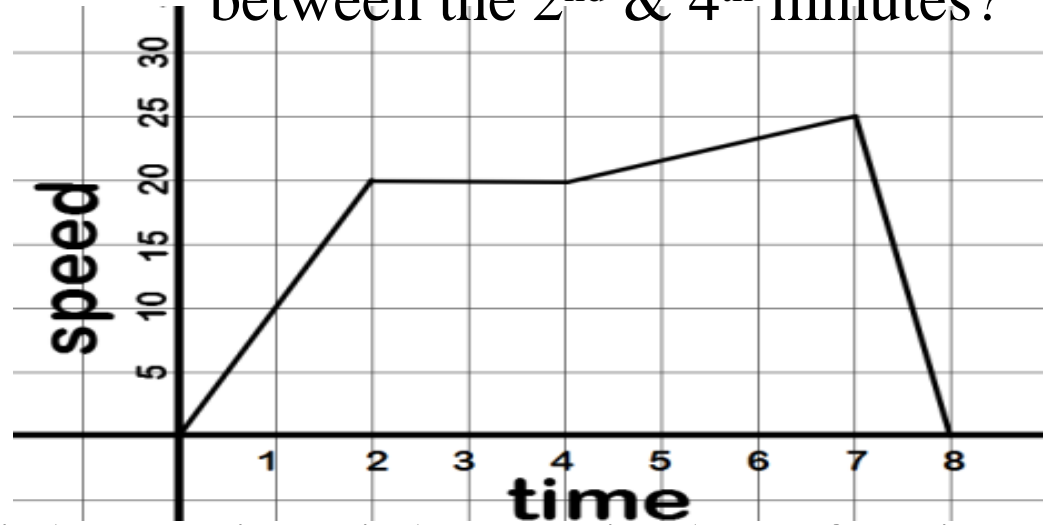
A) Stopped at a stoplight.   Miss Violet was in the cafeteria.

B) Accelerating.   Mrs. Teal was in the library.

C) Slammed on the brakes. Ms. Ivory was in the auditorium.

D) Going the same speed.   Mr. Brown was in the student center.

E) Going in reverse.   Prof. Gray was in the library.

4

Mr. Turner is five years older than Mr. Kite. The sum of their ages is 79. How old is Mr. Kite?

The weapon is NOT…

A) 35   an algebra book.

B) 36   a calculator.

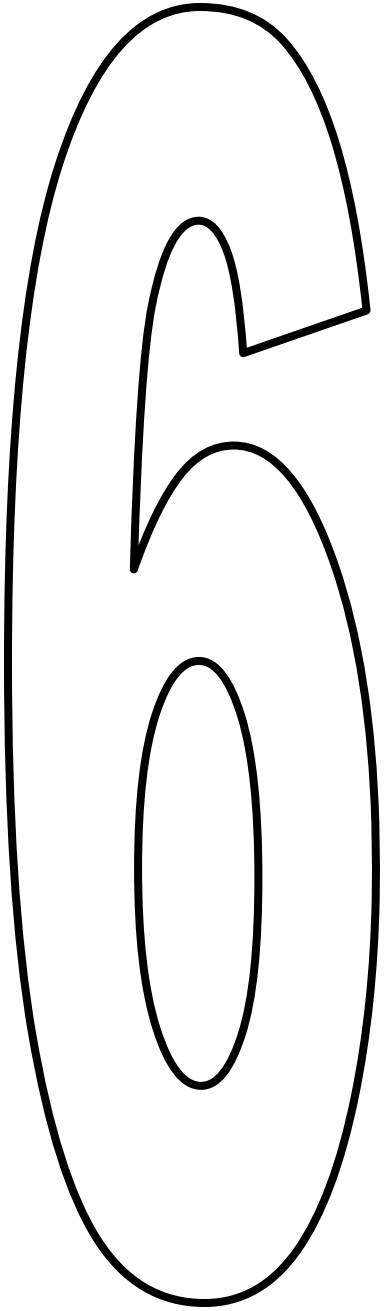C) 37   cafeteria food.

D) 38   a protractor.

E) 39   a compass.
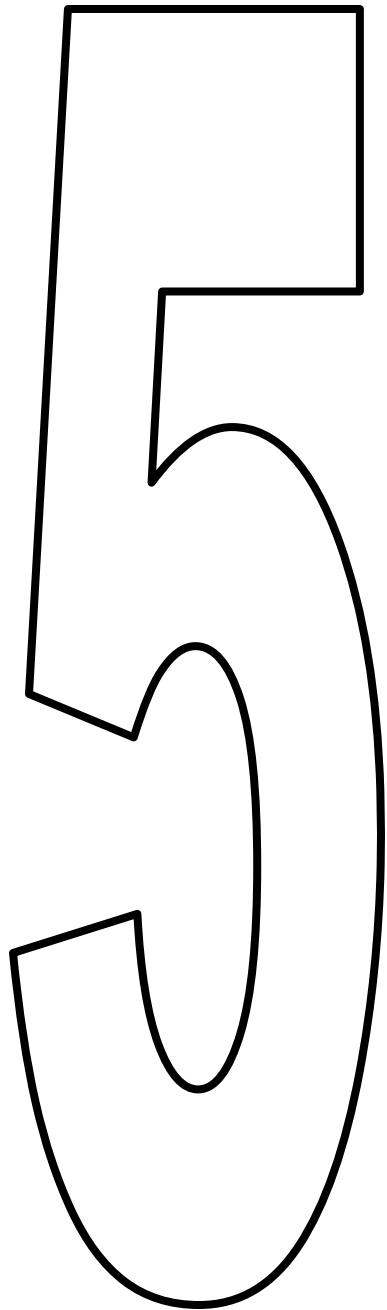
Solve for x.

$$6x^2 - x - 15 = 0$$

Which is a solution for x?

A) 3/5   Mr. Brown was in the student center.

B) 5/3   Mrs. Teal was in the cafeteria.

C) -2/3   Mr. Maroon was in the auditorium.

D) 3/2   Miss Violet was in the principal's office.
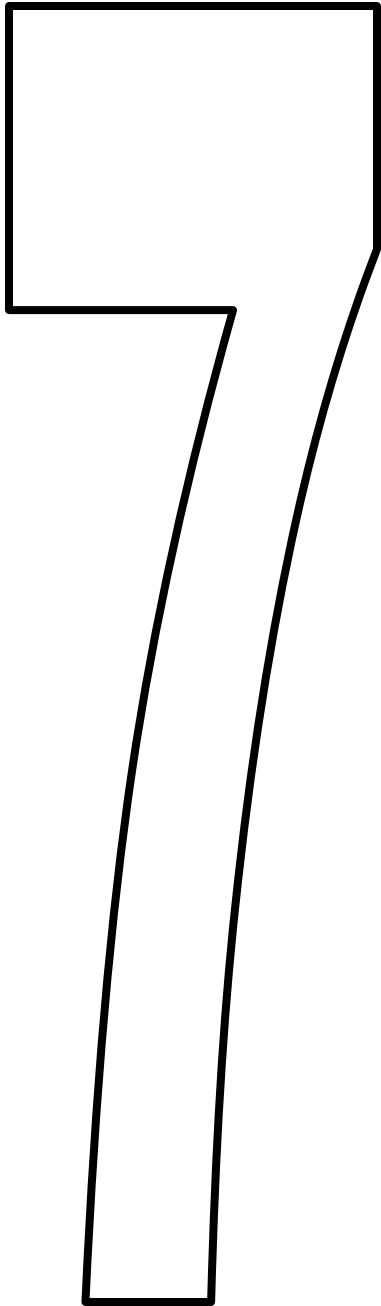
E) 2/3   Dr. Navy was in the library.

The chart below shows the profit made from a video game. Write an equation to represent the profit, *P*, compared to the number of games played, *g*.

Games (g)	12	16	22	30
Profit (P)	1	3	6	10

A) $y = \frac{1}{2} x - 5$ The weapon was not a compass.

B) $y = 2x - 1$ The weapon was not cafeteria food.

C) $y = \frac{1}{2} x + 11.5$ The weapon was not a calculator.

D) $y = -\frac{1}{2}x + 7$ The weapon was not a promethean pen.

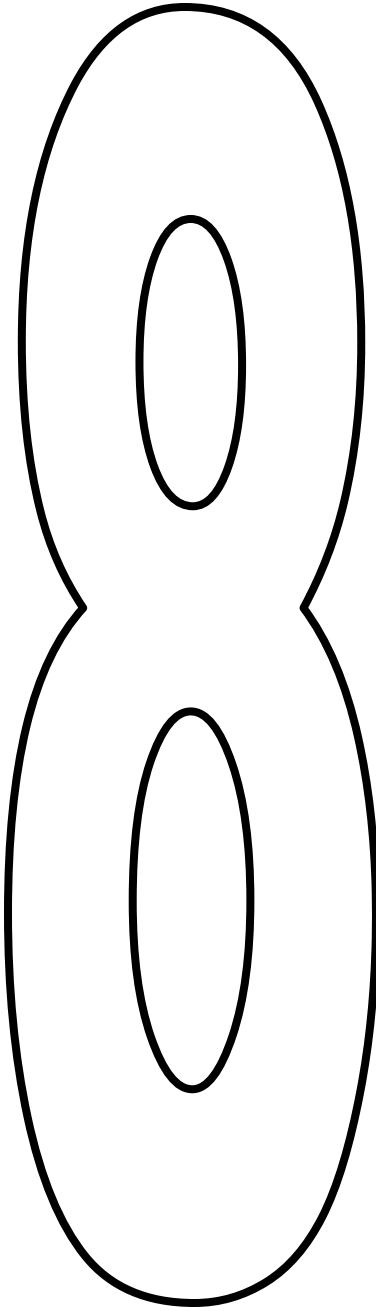E) $y = -2x + 3$ The weapon was not a protractor.

Solve for y.

$$y = -2x + 5$$
$$4x - 2y = 14$$
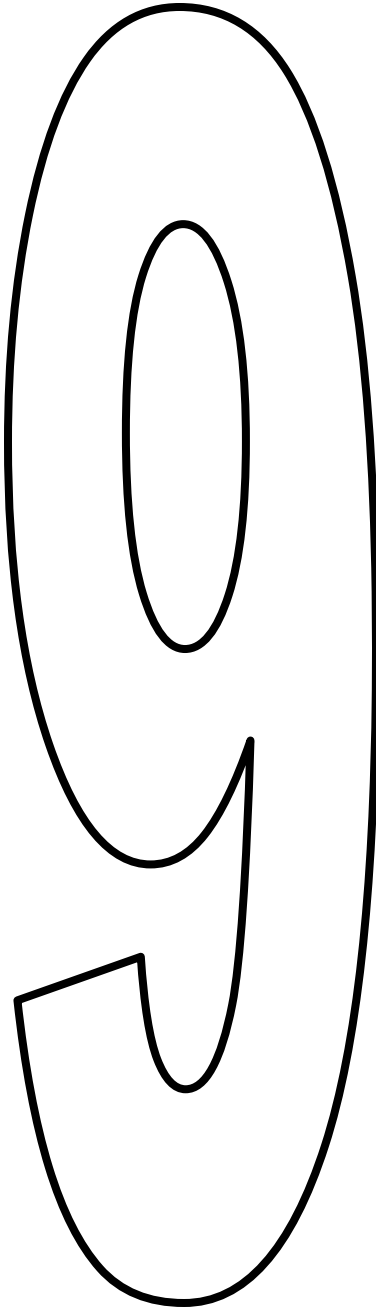
A) 1   Miss Violet was in the auditorium.

B) 3   Mr. Brown was in the library.

C) 2   Mrs. Teal was in the student center.

D) -3   Mr. Maroon was in the cafeteria.

E) -1   Dr. Navy was in the principal's office.

8

Kai left her mansion and walked 7 miles south. Then, she turned and walked 5 miles to the east. How far is Kai from home?

The weapon was NOT…

A) 9.2 mi.   an algebra book.

B) 24 mi.   a protractor

C) 4.9 mi.   cafeteria food.

D) 74 mi.   a calculator.

E) 8.6 mi.   a promethean pen..

Mr. Quilling, the evil twin of Mr. Robertson, gives you a 36-question test worth 93 points. Questions are worth either two or three points. How many 2-point questions are on the test?

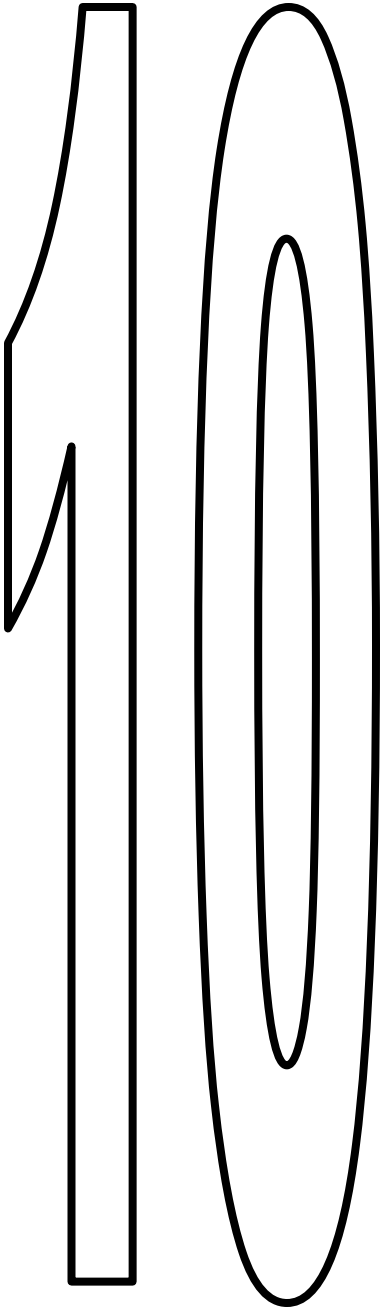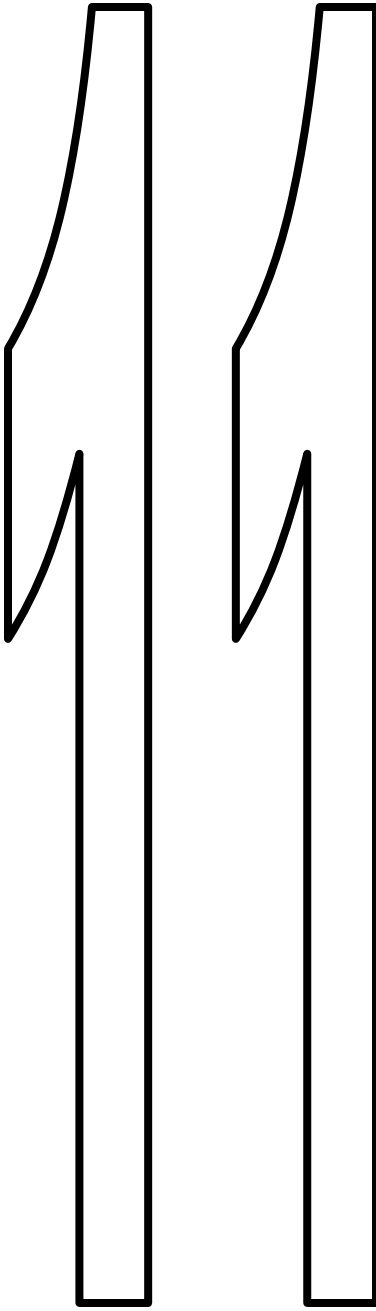A) 21   Mrs. Teal was in the library.

B) 15   Ms. Ivory was in the learning center.

C) 24   Mr. Maroon was in the cafeteria.

D) 12   Miss Violet was in the student center.

E) 18   Dr. Navy was in the principal's office.

10

Rogelio & Diana have a romantic, candlelight dinner. At 5pm, the candle is 6 inches long. By 9pm, it is only 4 inches long. What is the average rate of change?

The weapon was NOT…

A) 2   a calculator.

B) -2   a promethean pen.

C) -1/2   an algebra book.

D) 1/2   a protractor.

E) -4   a compass.

Find the slope, x-intercept, and y-intercept (in order) of
$$2x - 3y = 6$$

A) 2/3, -2, 3   Miss Violet was out sick.

B) -2/3, -2, 3   Mrs. Teal was vacationing in Florida.

C) 2, 3, -2   Dr. Navy was at a funeral.

D) -2/3, 3, -2   Mr. Brown was in jury duty.

E) 2/3, 3, -2   Prof. Gray was in the hospital.

ALGEBRA CLUE GAME PAGE

SUSPECTS	LOCATIONS	"WEAPONS"
__Mr. Brown	__Auditorium	__Algebra Book
__Prof. Gray	__Cafeteria	__Cafeteria Food
__Ms. Ivory	__Learning Ctr.	__Calculator
__Mr. Maroon	__Library	__Compass
__Dr. Navy	__Principal's Office	__Promethean Pen
__Mrs. Teal	__Student Center	__Protractor
__Miss Violet		

ALGEBRA CLUE GAME PAGE ANSWERS

SUSPECTS	LOCATIONS	"WEAPONS"
3 Mr. Brown	1 Auditorium	10 Algebra Book
11 Prof. Gray	5 Cafeteria	4 Cafeteria Food
9 Ms. Ivory	9 Learning Ctr.	_ Calculator
1 Mr. Maroon	_ Library	6 Compass
7 Dr. Navy	7 Principal's Office	8 Promethean Pen
5 Mrs. Teal	3 Student Center	2 Protractor
_ Miss Violet		