

Simplify all answers and show your work!

- 1) What is 5% of 60? 2) 60% of what number is 81? 3) 5 is what percent of 25?

4) A purchase is made that totals \$15.67 before sales tax. Sales tax on the purchase is 6%. What is the cost of the purchase plus tax.

5) A dress that costs \$40 retail is on sale at 25% off. What is the sale price of the dress?

6) The perimeter of a rectangle is 26 inches. The length of the rectangle is 3 inches longer than the width. Find the length and width of the rectangle.

7) A high school graduating class is made up of 387 students. There are 85 more girls than boys. How many boys are in the class?

8) Two consecutive integers have a sum of -29 . What are the two numbers?

9) In which quadrant do the following points lie?

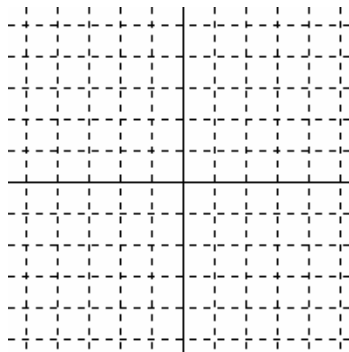
- a) $(-4, 3)$ b) $(7, 9)$ c) $(-1.2, 7.3)$

10) On which axis do the following points lie?

- a) $(-1, 0)$ b) $(0, 4)$

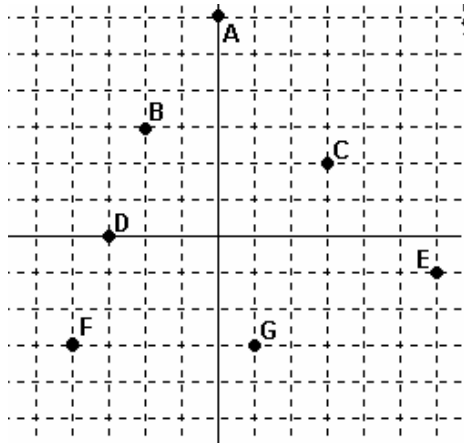
11) Plot the following points on the xy-grid.

- a) $(2, 3)$ b) $(-1, 4)$ c) $(-2, -1)$
d) $(0, 5)$ e) $(4, -3)$ f) $(1, 0)$



12) Find the ordered pairs for the points.

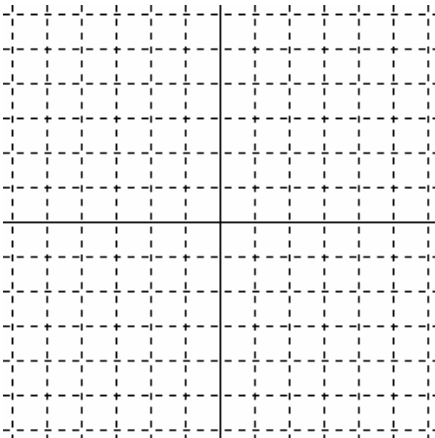
- A. _____
- B. _____
- C. _____
- D. _____
- E. _____
- F. _____
- G. _____



13) Fill in the t-chart for $y = 2x - 3$.

x	y
-2	
-1	
0	
1	
2	

14) Graph the line $y = 3x - 2$.



x	y

15) Solve the following equations for "y".

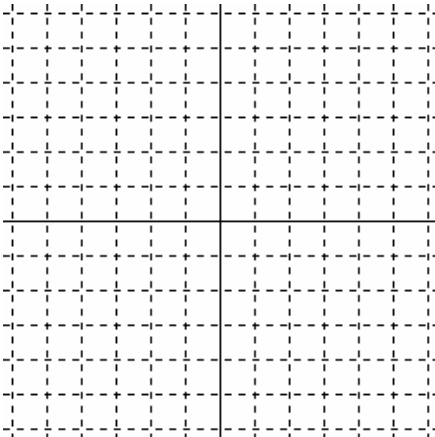
a) $2y = 4x - 8$

b) $4x + y = 13$

c) $3x - y = 12$

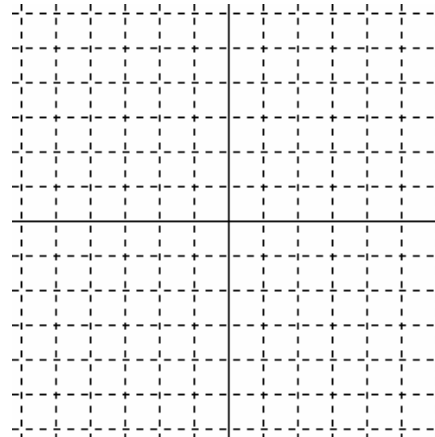
d) $5x + 2y = 10$

16) Graph the line $y = -\frac{1}{2}x + 1$.



x	y

17) Graph the line $3x + 4y = 12$



x	y