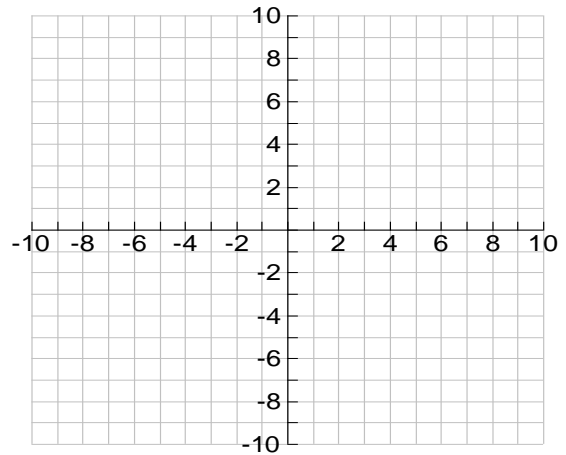


Plot the points and determine the quadrant number.

- A (4, 7) Quadrant _____
- B (-5, 2) Quadrant _____
- C (-1, -6) Quadrant _____
- D (8, 3) Quadrant _____
- E (0, -2) Quadrant _____

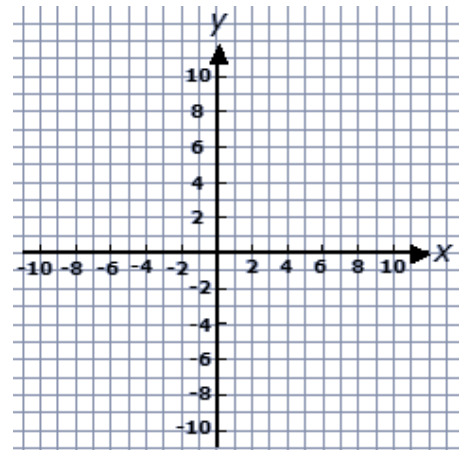


Fill in the blank:

- 6) In Quadrant I, x is _____ and y is _____.
- 7) In which Quadrant is x positive and y is negative? _____.

Find the distance between the following points.
Use the graph if needed.

- 8. (2, 3) and (2, -10) _____
- 9. (-8, 0) and (3, 0) _____
- 10. (-1, 10) and (-4, 10) _____
- 11. (7, 6) and (7, -1) _____
- 12. (-9, 6) and (-2, 6) _____
- 13. $(3, -2\frac{1}{5})$ and $(3, 7\frac{1}{3})$ _____



Complete the table, using the original point as your starting point.

Point	Reflect Across X-Axis	Reflect Across Y-Axis
(7,-2)		
(-6,-4)		
(3, 8)		
(-5,8)		

Read each situation. Identify the independent and dependent variables.

18. Ali is working out at the gym. The number of miles she runs on the treadmill will determine the number of calories burned.

Independent Variable: _____

Dependent Variable: _____

19. Kyle is working today. The amount of money he will make will be determined by the number of hours he works.

Independent Variable: _____

Dependent Variable: _____

20. The Jones family is moving. The amount of stuff they have will determine the number of boxes they need.

Independent Variable: _____

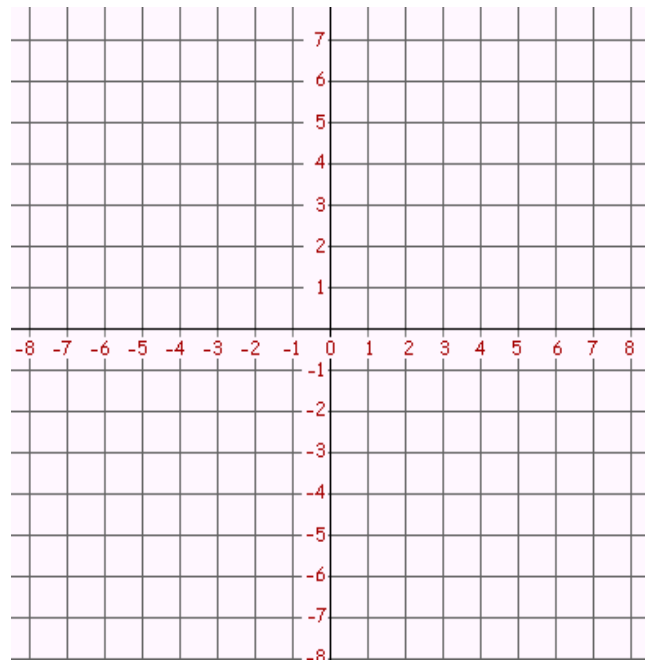
Dependent Variable: _____

Translate each statement into a mathematical equation. Then complete each function table and graph the equation.

21. y is equal to 4 less than product of 4 and x

Mathematical translation: _____

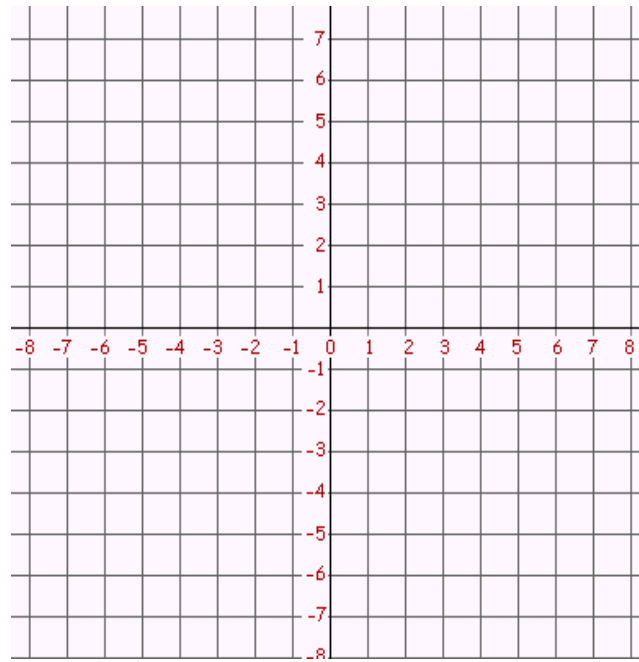
x	y
1	
2	
3	



22. y is equal to 3 more than quotient of x and 3

x	y
9	
12	
15	

Mathematical translation: _____



23. y is equal 3 times the difference of x and 5

x	y
5	
6	
7	

Mathematical translation: _____

