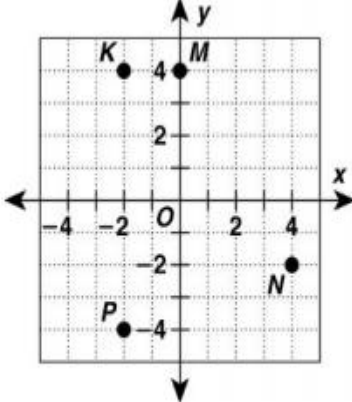
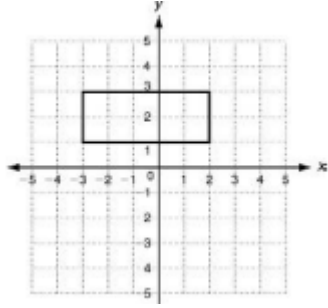
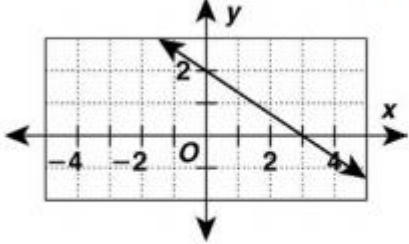
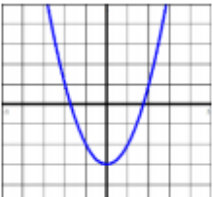
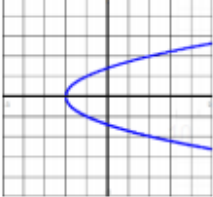
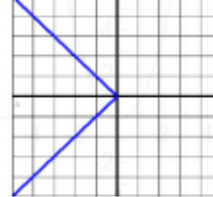
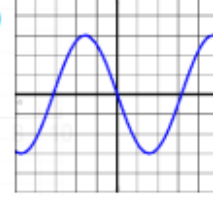
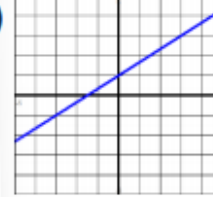


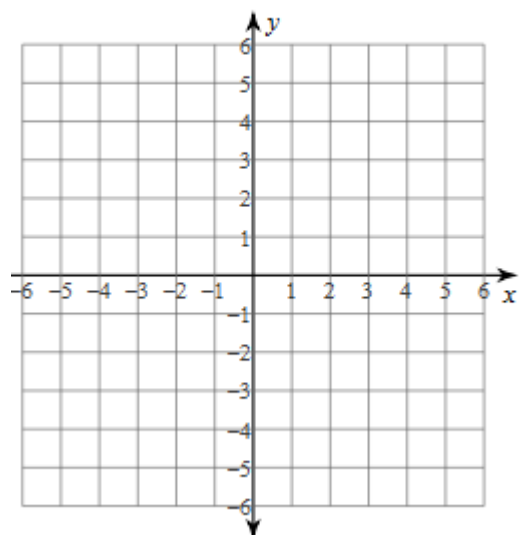
Write the equation for each table.

<p>1) What is a relation?</p> <p>2. What is a function?</p>	<p>3.</p> <p>What are the coordinates of point <i>P</i>?</p> <div style="text-align: center;">  </div> <p>F (-2, -4) H (2, -4) G (-2, 4) J (2, 4)</p>	<p>4. In what quadrant is point N located?</p> <p>5. Is point M on the x-axis or the y-axis?</p> <p>6. Is the relation a function?</p> <p>7. What is the domain and range?</p> <p>8. In what quadrant is point K located?</p>								
<p>4.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <tr> <th style="padding: 2px 10px;"><i>x</i></th> <th style="padding: 2px 10px;"><i>y</i></th> </tr> <tr> <td style="padding: 2px 10px;">-9</td> <td style="padding: 2px 10px;">5</td> </tr> <tr> <td style="padding: 2px 10px;">-5</td> <td style="padding: 2px 10px;">10</td> </tr> <tr> <td style="padding: 2px 10px;">-1</td> <td style="padding: 2px 10px;">15</td> </tr> </table> <p>Domain _____</p> <p>Range _____</p> <p>Is it a function? _____</p>	<i>x</i>	<i>y</i>	-9	5	-5	10	-1	15	<p>5.</p> <div style="text-align: center;">  </div> <p>Does this graph have an x-intercept? If yes, what is it?</p> <p>Does it have a y-intercept? If yes, what is it?</p> <p>Is this relation a function?</p>	<p>6.</p> <div style="background-color: #4a86e8; height: 15px; width: 100%; margin-bottom: 5px;"></div> <div style="text-align: center;">  </div> <div style="background-color: #4a86e8; height: 15px; width: 100%; margin-top: 5px;"></div> <p>What is the x-intercept? Label it on the picture and write the ordered pair.</p> <p>What is the y-intercept? Label it on the picture and write the ordered pair.</p>
<i>x</i>	<i>y</i>									
-9	5									
-5	10									
-1	15									

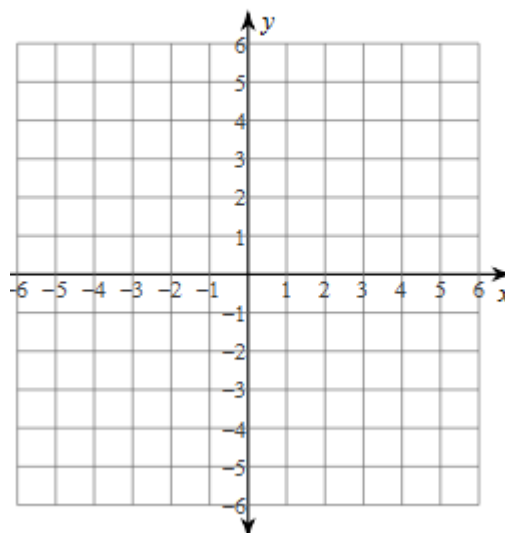
7. Circle the relations that are functions.

6) 	7) 	8) 	9) 	10) 
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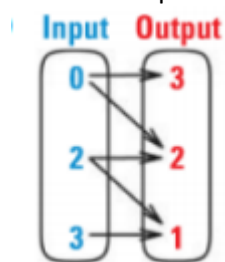
x -intercept = -1 , y -intercept = -4



x -intercept = -5 , y -intercept = -1



9. Is the following relation a function? Explain.



8

Which of the following relations is a function?

F $\{(1, -6), (3, -5), (1, 0)\}$

G $\{(0, 5), (5, -1), (5, 9)\}$

H $\{(6, 1), (6, 2), (6, 3)\}$

J $\{(0, 8), (1, 7), (2, 6)\}$

10. Find the x and y intercept

$$2x + 3y = 12$$

11) Draw the coordinate plane and label the quadrants, the origin, and the x and y axis.

12) Write the steps on how to find the x -intercept.

13) Write in your own words how to find the y -intercept.

A(2,7) B(5,0) C(7,9) D(0, 1) E(-9,0) F(8, -9) G (0, 8) H(4, 8) J (4,0) K(9, 0) L(0, 9) M (12, 0) N(-8, 0) K(0,-6)

14) Which of the ordered pairs above are x - intercepts?

15) Which of the ordered pairs above are y -intercepts.

$g(x) = -8x + 3$	$h(x) = x^2 - 4$	$f(x) = x^3 + x$
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Evaluate the following functions.

16) $g(5)$	17) $h(-4)$	18) $h(4)$
ordered pair	ordered pair	ordered pair
19) $f(-5)$	20) $g(-6)$	21) $f(-2)$
ordered pair	ordered pair	ordered pair

22) Find the following:

$f(-1) =$ ordered pair _____

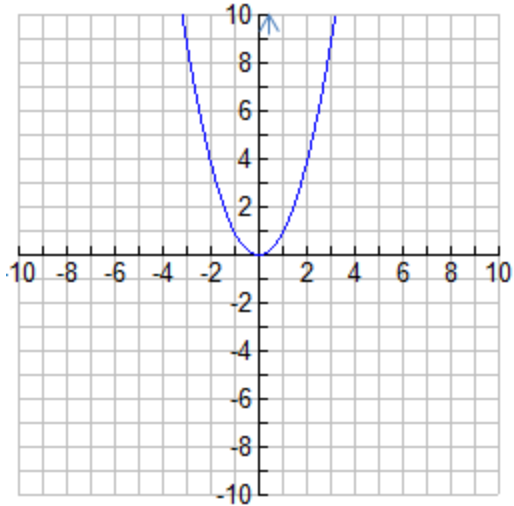
$f(-2) =$ ordered pair _____

$f(-3) =$ ordered pair _____

$f(1) =$ ordered pair _____

$f(2) =$ ordered pair _____

$f(3) =$ ordered pair _____



23) Find the following.

$x =$ _____ when $f(x) = 9$

$x =$ _____ when $f(x) = 4$

24) What is the x – intercept?

25) What is the y-intercept?

