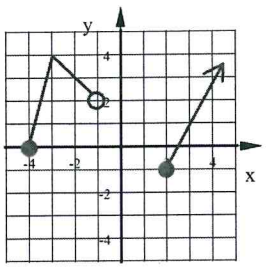


Domain:

Range:

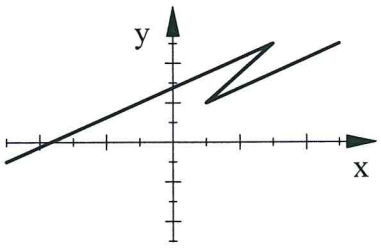
1. Use the graph shown to the right.
2. State if each relation represents a function or not.

a) $(4,7),(3,-2),(5,1),(4,-9)$

b)

| X | Y |
|---|---|
| 9 | 2 |
| −8 | 2 |
| 1 | 0 |
| 13 | −5 |

c)

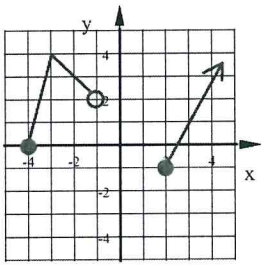


3. State the domain and range of the relation in problem 2a.

Domain: Range:

4. Use this equations $y = 2x^2 - 3x + 7$
Find the value of $y$ when $x = -4$

## Bellwork Alg 2A Tuesday, October 11, 2016 Answers



Domain: $-4 \le x < -1$ , $x \ge 2$

Range: $y \ge -1$

1. Use the graph shown to the right.
2. State if each relation represents a function or not.

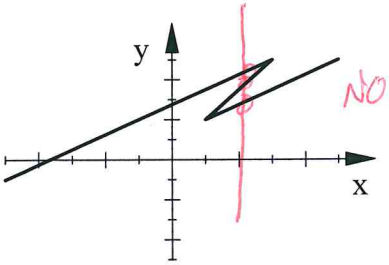
a) $(4,7),(3,-2),(5,1),(4,-9)$ NOT A FUNCTION

b)

| X | Y |
|---|---|
| 9 | 2 |
| −8 | 2 |
| 1 | 0 |
| 13 | −5 |

IS A FUNCTION

c)



NOT A FUNCTION

3. State the domain and range of the relation in problem 2a.

Domain: $\{3,4,5\}$ Range: $\{-9,-2,1,7\}$

4. Use this equations $y = 2x^2 - 3x + 7$
Find the value of $y$ when $x = -4$

$y = 2(-4)^2 - 3(-4) + 7$
$= 2(16) - 3(-4) + 7$
$= 32 + 12 + 7 = 51$