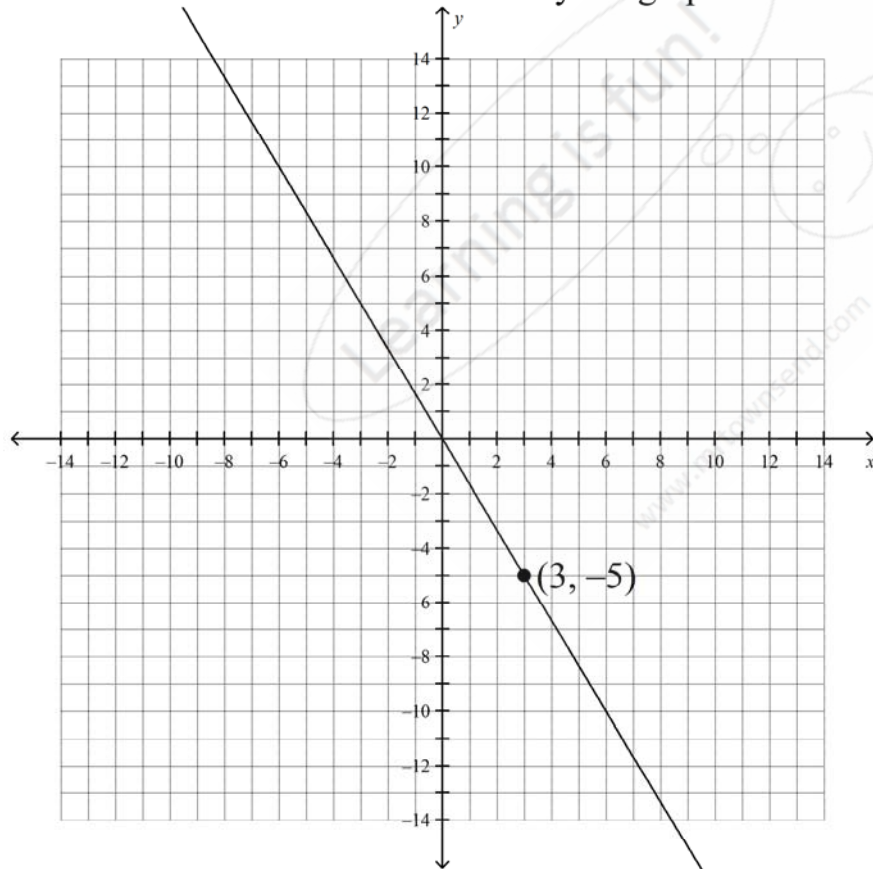


Direct Variation**Numeric Response**

1. The value of y varies directly with x , and $y = 6$ when $x = -2$. Find y when $x = 6$.
2. The value of y varies directly with x , and $y = -2$ when $x = 7$. Find x when $y = 10$.
3. The value of y varies directly with x , and $y = 7$ when $x = 2$. Find y when $x = 8$.
4. The value of y varies directly with x , and $y = 7$ when $x = 7$. Find x when $y = -21$.

Short Answer

5. What is the direct variation shown by the graph?



6. Write the following equation as a direct variation:

$$-9x + 2y = 0$$

8. What is the constant of variation for the following?

| | | | |
|---|----|-----|-----|
| x | -5 | -25 | -25 |
| y | -7 | -35 | -35 |

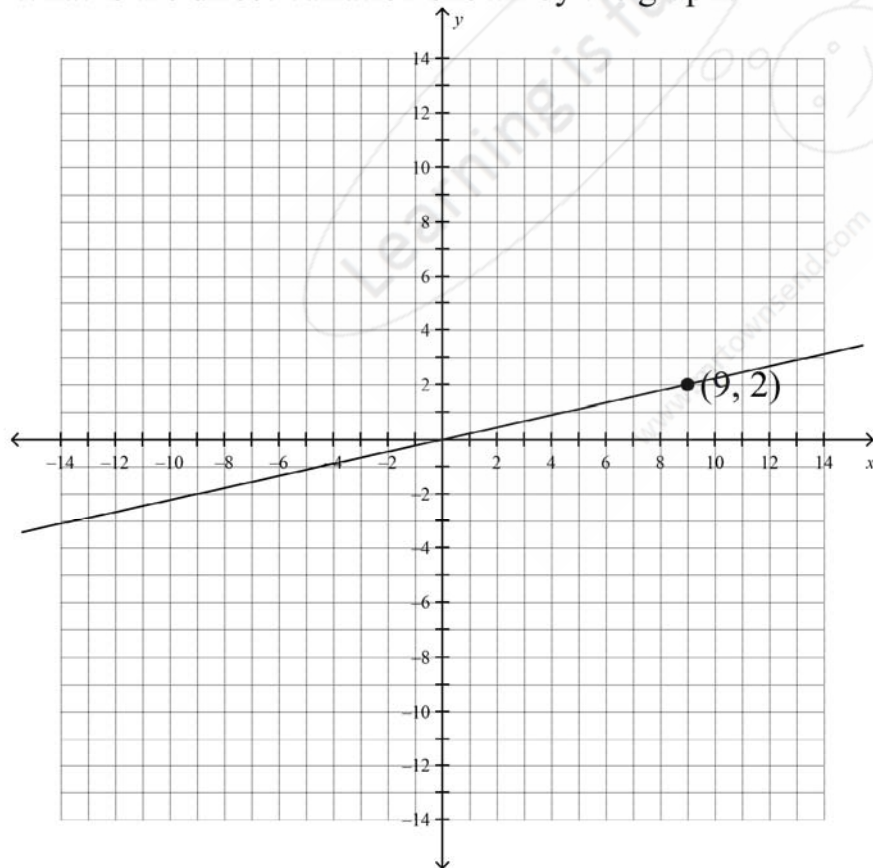
7. Write the following equation as a direct variation:

$$7x + 7y = 0$$

9. What is the constant of variation for the following?

| | | | |
|---|----|----|-----|
| x | -5 | 20 | -25 |
| y | -3 | 12 | -15 |

10. What is the direct variation shown by the graph?



**Direct Variation
Answer Section****NUMERIC RESPONSE**

1. ANS: -18

PTS: 1

2. ANS: -35

PTS: 1

3. ANS: 28

PTS: 1

4. ANS: -21

PTS: 1

SHORT ANSWER5. ANS:
 $y = (-5/3)x$

PTS: 1

6. ANS:
 $y = (9/2)x$

PTS: 1

7. ANS:
 $y = (-1)x$

PTS: 1

8. ANS:
 $\frac{7}{5}$

PTS: 1

9. ANS:
 $\frac{3}{5}$

PTS: 1



10. ANS:
 $y = (2/9)x$

PTS: 1

