

Linear functions $y = kx + m$

Algebra - grade 9

Name: _____ Date: _____ Score: _____

1. Line through (0, -6) and (2, -8). Slope k?

Answer: _____

2. $y = -2x - 3$. Find y when $x = -3$

Answer: _____

3. $y = -2x + 5$. Find y when $x = 2$

Answer: _____

4. $y = 2x + 1$. Find y when $x = 2$

Answer: _____

5. Line through (0, -1) and (2, 1). Slope k?

Answer: _____

6. $y = -x - 1$. Find y when $x = 2$

Answer: _____

7. Line through (0, 0) and (2, 10). Slope k?

Answer: _____

8. $y = 3x + 1$. Find y when $x = -2$

Answer: _____

9. Line through (0, 1) and (2, 5). Slope k?

Answer: _____

10. $y = 4x + 0$. Find y when $x = -2$

Answer: _____

11. Line through (0, -3) and (2, -11). Slope k?

Answer: _____

12. $y = -4x - 2$. Find y when $x = 5$

Answer: _____

13. $y = -3x - 5$. Find y when $x = 3$

Answer: _____

14. $y = 4x + 5$. Find y when $x = 5$

Answer: _____

Linear functions $y = kx + m$ - Answer key

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Name: _____ Date: _____ Score: _____

1. Line through (0, -6) and (2, -8). Slope k?

-1

2. $y = -2x - 3$. Find y when $x = -3$

3

3. $y = -2x + 5$. Find y when $x = 2$

1

4. $y = 2x + 1$. Find y when $x = 2$

5

5. Line through (0, -1) and (2, 1). Slope k?

1

6. $y = -x - 1$. Find y when $x = 2$

-3

7. Line through (0, 0) and (2, 10). Slope k?

5

8. $y = 3x + 1$. Find y when $x = -2$

-5

9. Line through (0, 1) and (2, 5). Slope k?

2

10. $y = 4x + 0$. Find y when $x = -2$

-8

11. Line through (0, -3) and (2, -11). Slope k?

-4

12. $y = -4x - 2$. Find y when $x = 5$

-22

13. $y = -3x - 5$. Find y when $x = 3$

-14

14. $y = 4x + 5$. Find y when $x = 5$

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