

Linear functions $y = kx + m$

Algebra - grade 9

Name: _____ Date: _____ Score: _____

1. Line through (0, 2) and (2, 12). Slope k ?

Answer: _____

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

Answer: _____

3. Line through (0, 1) and (2, -7). Slope k ?

Answer: _____

4. $y = 4x - 4$. Find y when $x = 3$

Answer: _____

5. Line through (0, 4) and (2, 12). Slope k ?

Answer: _____

6. $y = 2x + 5$. Find y when $x = 5$

Answer: _____

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

Answer: _____

8. Line through (0, -1) and (2, -3). Slope k ?

Answer: _____

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

Answer: _____

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

Answer: _____

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

Answer: _____

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

Answer: _____

13. $y = 4x - 1$. Find y when $x = -2$

Answer: _____

14. $y = x + 6$. Find y when $x = 4$

Answer: _____

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

Algebra - grade 9

Name: _____ Date: _____ Score: _____

1. Line through (0, 2) and (2, 12). Slope k ?

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

0

3. Line through (0, 1) and (2, -7). Slope k ?

-4

4. $y = 4x - 4$. Find y when $x = 3$

8

5. Line through (0, 4) and (2, 12). Slope k ?

4

6. $y = 2x + 5$. Find y when $x = 5$

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

-2

8. Line through (0, -1) and (2, -3). Slope k ?

-1

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

2

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

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

-4

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

-3

13. $y = 4x - 1$. Find y when $x = -2$

-9

14. $y = x + 6$. Find y when $x = 4$

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