



Writing linear equations word problems

Name: _____

Date: _____

**Solve.**

- 1) What is the equation of a line with slope 3 and intercept 2?

- 2) What is the equation of a line with slope 1 and intercept 7?

- 3) What is the equation of a line with slope 4 and passes through point $(8, -2)$?

- 4) What is the equation of a line with slope 2 and passes through point $(-4, -6)$?

- 5) What is the equation of a line with slope -1 and passes through point $(8, -2)$?

- 6) What is the equation of a line with slope 3 and passes through point $(-3, 0)$?

- 7) The slope of a line is -3 and passes through point $(0, 3)$. What is the equation of the line?

- 8) The slope of a line is -1 and passes through point $(2, -1)$. What is the equation of the line?

- 9) The slope of a line is 4 and passes through point $(2, -8)$. What is the equation of the line?



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Answers



Solve.

1) What is the equation of a line with slope 3 and intercept 2?

$$y = 3x + 2$$

2) What is the equation of a line with slope 1 and intercept 7?

$$y = x + 7$$

3) What is the equation of a line with slope 4 and passes through point $(8, -2)$?

$$y = 4x + 30$$

4) What is the equation of a line with slope 2 and passes through point $(-4, -6)$?

$$y = 2x + 2$$

5) What is the equation of a line with slope -1 and passes through point $(8, -2)$?

$$y = -x + 6$$

6) What is the equation of a line with slope 3 and passes through point $(-3, 0)$?

$$y = 3x + 9$$

7) The slope of a line is -3 and passes through point $(0, 3)$. What is the equation of the line?

$$y = -3x + 3$$

8) The slope of a line is -1 and passes through point $(2, -1)$. What is the equation of the line?

$$y = -x + 1$$

9) The slope of a line is 4 and passes through point $(2, -8)$. What is the equation of the line?

$$y = 4x - 16$$



QUIZ ?

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