Name:

Date:

Writing linear equations word problems

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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Writing linear equations word problems

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?

$y = 4x - 16$

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