

Name: _____ Date: _____

Equations of Lines 2

Find the equation of the line that goes through the points given. The equation of a line is $y = mx + b$, where you need to find the m and the b .

1. $(-3, 1)$ and $(-6, 0)$ slope: _____ y-intercept: _____

equation: _____

2. $(5, -3)$ and $(10, -5)$ slope: _____ y-intercept: _____

equation: _____

3. $(-5, -6)$ and $(-3, -2)$ slope: _____ y-intercept: _____

equation: _____

4. $(8, -3)$ and $(12, -2)$ slope: _____ y-intercept: _____

equation: _____

5. $(4, 18)$ and $(2, 12)$ slope: _____ y-intercept: _____

equation: _____

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6. $(-6, -1)$ and $(-12, 0)$ slope: _____ y-intercept: _____

equation: _____

7. $(4, -4)$ and $(12, 2)$ slope: _____ y-intercept: _____

equation: _____

8. $(-2, 4)$ and $(-4, 5)$ slope: _____ y-intercept: _____

equation: _____

9. $(-8, 12)$ and $(8, 6)$ slope: _____ y-intercept: _____

equation: _____

10. $(-1, -3)$ and $(1, 5)$ slope: _____ y-intercept: _____

equation: _____