

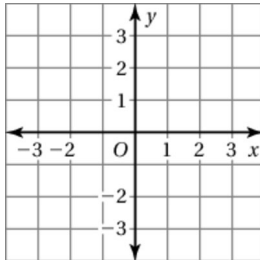
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**MATH
1010**

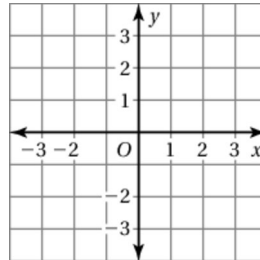
Graphing Linear Equations - HOMEWORK

Graph the linear equation using a table.

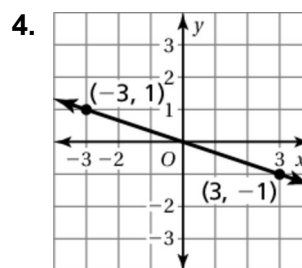
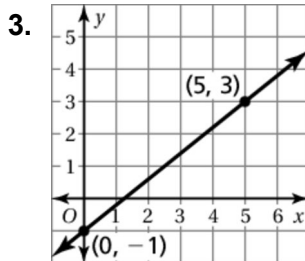
1. $y = \frac{1}{2}x - 3$



2. $y = -\frac{x}{4} + 1$



Find the slope of the line.



5. What is the slope of a line that is perpendicular to the line in Exercise 3?

Find the slope and y-intercept of the graph of the equation.

6. $y = -4x - 6$

7. $y = \frac{1}{2}x - \frac{1}{3}$

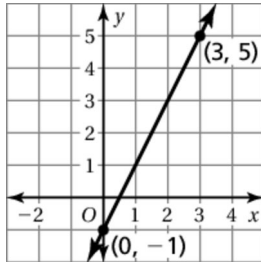
Find the x- and y-intercepts of the graph of the equation.

8. $3x - 4y = 24$

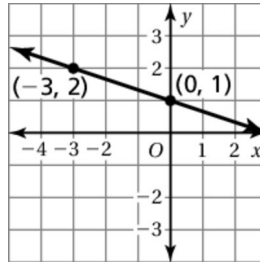
9. $-6x + 3y = 12$

Write an equation of the line in slope-intercept form.

10.



11.



Write an equation of the line with the given slope that passes through the given point.

12. $m = -2$; $(1, 2)$

13. $m = \frac{1}{4}$; $(4, -2)$

14. $m = 1$; $(-3, -2)$

15. $m = -\frac{1}{3}$; $(9, -1)$

Write an equation of the line that passes through the points.

16. $(-3, -1)$, $(4, -1)$

17. $(2, 5)$, $(0, 1)$