

Skills Practice

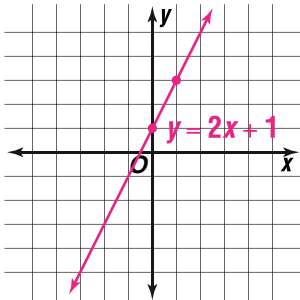
Equations of Lines

Name the slope and y-intercept of the graph of each equation.

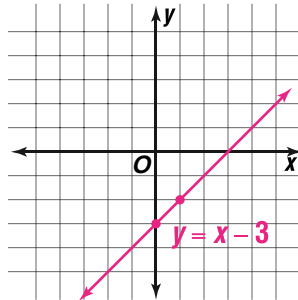
1. $y = 3x + 2$ **3; 2**
2. $y = -4x + 1$ **-4; 1**
3. $y = 2x + 5$ **2; 5**
4. $y = -5x - 1$ **-5; -1**
5. $x = 2$ **undefined; none**
6. $10x + y = 7$ **-10; 7**
7. $y + 3x = -1$ **-3; -1**
8. $y = x$ **1; 0**
9. $2x - y = 3$ **2; -3**
10. $y = -6$ **0; -6**
11. $-4x - y = 8$ **-4; -8**
12. $2x + 2y = 14$ **-1; 7**
13. $9x - 3y = 12$ **3; -4**
14. $5x + 10y = 20$ **$-\frac{1}{2}$; 2**

Graph each equation using the slope and y-intercept.

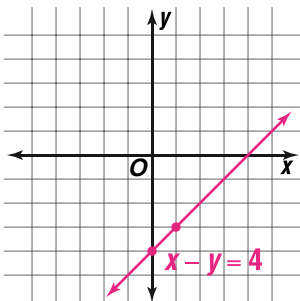
15. $y = 2x + 1$



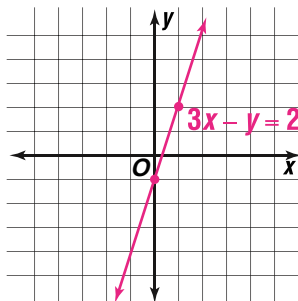
16. $y = x - 3$



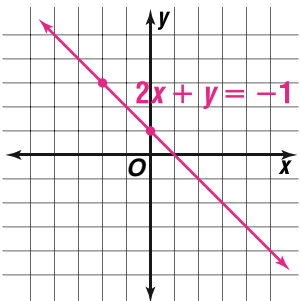
17. $x - y = 4$



18. $3x - y = 2$



19. $2x + y = -1$



20. $-3x - y = 2$

