

1. Find an equation of the line passing through the point $(2, 7)$ with slope $m = 6$.

[A] $y = 6x - 5$ [B] $y = 6x - 40$

[C] $y = \frac{1}{6}x - \frac{20}{3}$ [D] $y = \frac{1}{6}x - \frac{5}{6}$

2. Find an equation of the line passing through the point $(-5, 3)$ with slope $m = 2$.

[A] $y = \frac{1}{2}x + \frac{13}{2}$ [B] $y = \frac{1}{2}x - \frac{11}{2}$

[C] $y = 2x - 11$ [D] $y = 2x + 13$

3. Find an equation of the line passing through the point $(-6, 5)$ with slope $m = 5$.

[A] $y = 5x - 31$ [B] $y = 5x + 35$

[C] $y = \frac{1}{5}x - \frac{31}{5}$ [D] $y = \frac{1}{5}x + 7$

4. Find an equation of the line passing through the point $(7, 6)$ with slope $m = 2$.

[A] $y = 2x - 5$ [B] $y = \frac{1}{2}x - 4$

[C] $y = \frac{1}{2}x - \frac{5}{2}$ [D] $y = 2x - 8$

5. Find an equation of the line passing through the point $(4, 3)$ with slope $m = 3$.

[A] $y = 3x - 9$ [B] $y = \frac{1}{3}x - \frac{5}{3}$

[C] $y = 3x - 5$ [D] $y = \frac{1}{3}x - 3$

6. Write an equation of the line that passes through the point $(3, 5)$ with slope -4 .

[A] $y = -4x + 17$ [B] $y = 4x + 17$

[C] $y = -4x + 5$ [D] $y = 4x + 5$

7. Write an equation of the line that passes through the point $(-2, 4)$ with slope 1 .

[A] $y = x + 4$ [B] $y = -x + 4$

[C] $y = x + 6$ [D] $y = -x + 6$

8. Write an equation of the line that passes through the point $(-5, -6)$ with slope 3 .

[A] $y = 3x - 6$ [B] $y = 3x + 9$

[C] $y = -3x + 9$ [D] $y = -3x - 6$

9. Write an equation of the line that passes through the point $(6, 2)$ with slope 3 .

[A] $y = -3x + 2$ [B] $y = -3x - 16$

[C] $y = 3x - 16$ [D] $y = 3x + 2$

10. Write an equation of the line that passes through the point $(4, -1)$ with slope -2 .
[A] $y = -2x - 1$ [B] $y = 2x - 1$
[C] $y = -2x + 7$ [D] $y = 2x + 7$
11. Write an equation of the line that passes through the point $(-1, -3)$ with slope 2 .
[A] $y = -2x - 3$ [B] $y = 2x - 3$
[C] $y = -2x - 1$ [D] $y = 2x - 1$
12. Which equation is correct for a line through $(5, -3)$ with slope 0.75 ?
[A] $y = \frac{3}{4}x - \frac{27}{4}$ [B] $y = \frac{3}{4}x - \frac{4}{5}$
[C] $y = \frac{3}{4}x - 3$ [D] $y = -\frac{3}{4}x + \frac{27}{4}$
[E] $y = -\frac{3}{4}x + \frac{4}{5}$
13. Write an equation of the line with slope 7 and y -intercept -9 .
14. Write an equation of the line with slope 1 and y -intercept -18 .
15. Find the equation of the line, in slope-intercept form, that passes through the point $(-3, 2)$ and has slope 3 .
16. Find the equation of the line, in slope-intercept form, that passes through the point $(-1, 2)$ and has slope -4 .
17. Find the equation of the line, in slope-intercept form, that passes through the point $(-3, 5)$ and has slope 2 .
18. Find the equation of the line, in slope-intercept form, that passes through the point $(-1, -4)$ and has slope -1 .
19. Find the equation of the line, in slope-intercept form, that passes through the point $(-2, 4)$ and has slope 4 .
20. Find the equation of the line, in slope-intercept form, that passes through the point $(5, 3)$ and has slope 5 .

[1] A

[2] D

[3] B

[4] D

[5] A

[6] A

[7] C

[8] B

[9] C

[10] C

[11] D

[12] A

[13] $y = 7x - 9$ _____

[14] $y = x - 18$ _____

[15] $y = 3x + 11$ _____

[16] $y = -4x - 2$ _____

[17] $y = 2x + 11$ _____

[18] $y = -x - 5$ _____

[19] $y = 4x + 12$ _____

[20] $y = 5x - 22$ _____