

Finding the Slope of a Line and Between Points

Given the following equations of lines, find the slopes of the lines.

1) $y = 3x + 6$ 2) $y = -\frac{2}{3}x - 9$ 3) $y = \frac{5}{9}x + \frac{3}{2}$ 4) $y = \frac{5}{9} - \frac{4}{11}x$

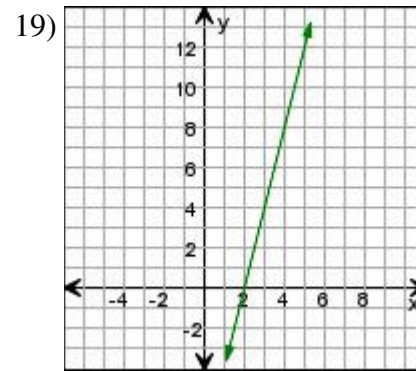
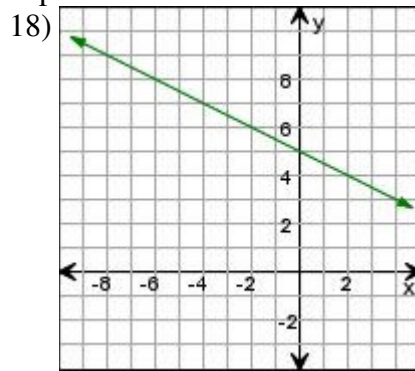
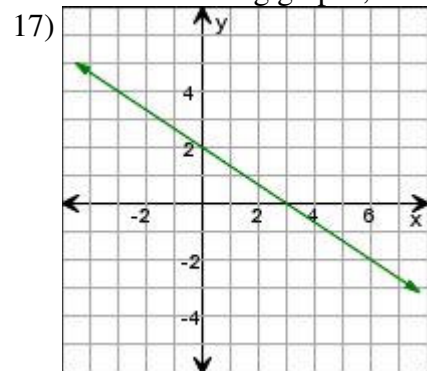
5) $3x + 8y = 7$ 6) $9x - 5y = 7$ 7) $-5x - 19y = 3.5$ 8) $-x + 2y = 13$

9) $2x = 9y - 8$ 10) $-x = y + 7$ 11) $23y = 4x - 19$ 12) $-4y + 6 = -2x$

Given the following pairs of points, find the slope of the line between them.

13) (1, 4) and (-3, 5) 14) (-7, -5) and (-2, -1) 15) (5, 6) and (-1, -1) 16) (2, 4) and (0, 7)

Given the following graphs, find the slope of the line.



- Answers:** 1) 3 2) $-\frac{2}{3}$ 3) $\frac{5}{9}$ 4) $-\frac{4}{11}$ 5) $-\frac{3}{8}$ 6) $\frac{9}{5}$ 7) $-\frac{5}{19}$ 8) $\frac{1}{2}$
 9) $\frac{2}{9}$ 10) -1 11) $\frac{4}{23}$ 12) $\frac{1}{2}$ 13) $-\frac{1}{4}$ 14) $\frac{4}{5}$ 15) $\frac{7}{6}$ 16) $-\frac{3}{2}$
 17) $-\frac{2}{3}$ 18) $-\frac{1}{2}$ 19) 4