

1.2.1: Slope of a Line (Exercises)

SECTION 1.2 PROBLEM SET: SLOPE OF A LINE

Find the slope of the line passing through the following pair of points.

1) (2, 3) and (5, 9)	2) (4, 1) and (2, 5)
3) (-1, 1) and (1, 3)	4) (4, 3) and (-1, 3)
5) (6, -5) and (4, -1)	6) (5, 3) and (-1, -4)
7) (3, 4) and (3, 7)	8) (-2, 4) and (-3, -2)
9) (-3, -5) and (-1, -7)	10) (0, 4) and (3, 0)

SECTION 1.2 PROBLEM SET: SLOPE OF A LINE

Determine the slope of the line from the given equation of the line.

11) $y = -2x + 1$	12) $y = 3x - 2$
13) $2x - y = 6$	14) $x + 3y = 6$
15) $3x - 4y = 12$	16) What is the slope of the x-axis? What is the slope of the y-axis?

Graph the line that passes through the given point and has the given slope.

17) (1, 2) and $m = -3/4$	18) (2, -1) and $m = 2/3$
19) (0, 2) and $m = -2$	20) (2, 3) and $m = 0$

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