

3-8 Finding Equation Of A Line (ver3)_hw

Use Point-Slope Formula to write equation of a line ($y=mx+b$) with the given point and slope.

1) through: (5, 4), slope = -1

2) through: (1, -5), slope = -7

3) through: (-2, 4), slope = -3

4) through: (-4, 4), slope = 0

5) through: (5, 4), slope = $\frac{9}{5}$

6) through: (-1, 4), slope = -7

7) through: (-1, 3), slope = 2

8) through: (-3, 0), slope = -1

9) through: (-4, -1), slope = $\frac{1}{2}$

10) through: (-4, 3), slope = -2

11) through: (-3, -1), slope = 0

12) through: (5, -3), slope = -1

13) through: (3, 2), slope = -1

14) through: (1, 3), slope = 1

15) through: (2, 2), slope = -1

16) through: (-2, 5), slope = -4

17) through: (3, 3), slope = 1

18) through: (1, 3), slope = -2

19) through: (-4, -3), slope = $\frac{1}{4}$

20) through: (2, 3), slope = $\frac{1}{2}$

Answers to 3-8 Finding Equation Of A Line (ver3)_hw

1) $y = -x + 9$

5) $y = \frac{9}{5}x - 5$

9) $y = \frac{1}{2}x + 1$

13) $y = -x + 5$

17) $y = x$

2) $y = -7x + 2$

6) $y = -7x - 3$

10) $y = -2x - 5$

14) $y = x + 2$

18) $y = -2x + 5$

3) $y = -3x - 2$

7) $y = 2x + 5$

11) $y = -1$

15) $y = -x + 4$

19) $y = \frac{1}{4}x - 2$

4) $y = 4$

8) $y = -x - 3$

12) $y = -x + 2$

16) $y = -4x - 3$

20) $y = \frac{1}{2}x + 2$