14-02-05-T8

Write the standard form of the equation of the line through the given point with the given slope.

1) through: $(-4, 0)$, slope $= \frac{5}{9}$

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

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

4) through: $(-2, 0)$, slope $= -2$

5) through: $(-3, -5)$, slope $= 2$

6) through: $(-4, 3)$, slope $= \frac{1}{2}$

7) through: $(-2, 4)$, slope $= -\frac{3}{4}$

8) through: $(5, -3)$, slope $= \frac{2}{5}$

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

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

Write the standard form of the equation of the line described.

11) through: $(1, -1)$, parallel to $6x + y = -4$

12) through: $(-1, 1)$, parallel to $x = 0$

13) through: $(2, 5)$, parallel to $y = 4x - 2$

14) through: $(-4, -2)$, parallel to $3x - 4y = 8$

15) through: $(4, -3)$, parallel to $y = \frac{1}{4}x - 2$

Answers to 14-02-05-T8

1) $5x - 9y = -20$
2) $x + 2y = 1$
3) $9x - 2y = 10$
4) $2x + y = -4$
5) $2x - y = -1$
6) $x - 2y = -10$
7) $3x + 4y = 10$
8) $2x - 5y = 25$
9) $2x - y = -5$
10) $2x + y = -8$
11) $6x + y = 5$
12) $x = -1$
13) $4x - y = 3$
14) $3x - 4y = -4$
15) $x - 4y = 16$