Equation of a Line

Name _____

Score _____

PS:10

Find an equation of a line whose slope and point passes through a line given. Express the equation in standard form.

1) slope = –1 and (–4, 3)

2) slope = $\frac{2}{3}$ and (2, 2)

3) slope = –6 and (0, –5)

4) slope = 5 and (–1, –3)

5) slope = $-\frac{1}{2}$ and (4, 9)

6) slope = $\frac{5}{6}$ and (6, 0)

7) slope = –2 and (–7, –10)

8) slope = 11 and (–2, 3)

9) slope = $-\frac{3}{4}$ and (4, 4)

10) slope = 4 and (–1, –8)

Equation of a Line

Name _____

Score _____

Answer key

PS:10

Find an equation of a line whose slope and point passes through a line given. Express the equation in standard form.

1) slope = –1 and (–4, 3)

x + y = –4

2) slope = $\frac{2}{3}$ and (2, 2)

2x – 3y = –2

3) slope = –6 and (0, –5)

6x + y = –5

4) slope = 5 and (–1, –3)

5x – y = –2

5) slope = $-\frac{1}{2}$ and (4, 9)

x + 2y = 22

6) slope = $\frac{5}{6}$ and (6, 0)

5x – 6y = 30

7) slope = –2 and (–7, –10)

2x + y = –24

8) slope = 11 and (–2, 3)

11x – y = –25

9) slope = $-\frac{3}{4}$ and (4, 4)

3x + 4y = 28

10) slope = 4 and (–1, –8)

4x – y = 4