

## c5cq2 remediation

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

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

2) through:  $(-1, -4)$ , slope =  $3$

3) through:  $(-3, -3)$ , slope =  $-1$

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

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

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

7) through:  $(2, -4)$ , slope =  $-\frac{5}{4}$

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

**Write the slope-intercept form of the equation of the line through the given points.**

9) through:  $(-1, 1)$  and  $(0, 3)$

10) through:  $(-4, 5)$  and  $(0, 4)$

11) through:  $(1, -2)$  and  $(-5, -5)$

12) through:  $(-3, 4)$  and  $(2, 3)$

13) through:  $(4, 1)$  and  $(1, -1)$

14) through:  $(-5, 3)$  and  $(1, 4)$

**Sketch the graph of each line.**

15)  $y = -x - 4$

16)  $y = -\frac{8}{5}x - 4$

17)  $y = x - 4$

18)  $y = -\frac{1}{4}x + 3$

19)  $y = -\frac{4}{3}x + 1$

20)  $y = \frac{3}{5}x - 5$

21)  $y + 4 = -3(x - 1)$

22)  $y + 3 = -4(x + 2)$

23)  $y - 7 = 4(x + 3)$

24)  $y - 2 = 3(x + 1)$

25)  $y + 5 = -3(x + 2)$

26)  $y + 3 = -\frac{2}{3}(x - 1)$