

## Q3Week1 Practice - Ref. Ch. 4-9

Date \_\_\_\_\_ Period \_\_\_\_\_

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**Write the slope-intercept form of the equation of the line described.**

1) through:  $(3, -1)$ , parallel to  $y = -x$

2) through:  $(2, -1)$ , parallel to  $y = \frac{4}{7}x - 3$

3) through:  $(-1, 0)$ , parallel to  $y = \frac{4}{5}x - 5$

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

5) through:  $(-1, 2)$ , parallel to  $x = 0$

6) through:  $(5, -1)$ , parallel to  $y = -3x - 1$

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

8) through:  $(-5, -1)$ , parallel to  $y = -\frac{2}{7}x$

9) through:  $(3, 5)$ , parallel to  $y = \frac{4}{3}x + 3$

10) through:  $(2, -3)$ , parallel to  $y = -\frac{8}{7}x - 1$

11) through:  $(5, -3)$ , parallel to  $y = -\frac{3}{5}x + 3$

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

13) through:  $(1, 5)$ , perp. to  $y = -\frac{1}{7}x + 1$

14) through:  $(1, -5)$ , perp. to  $y = -5$

15) through:  $(-1, -4)$ , perp. to  $y = -\frac{1}{7}x$

16) through:  $(-3, -3)$ , perp. to  $y = -\frac{3}{5}x + 1$

17) through:  $(-5, -3)$ , perp. to  $y = -\frac{5}{2}x$

18) through:  $(-2, -2)$ , perp. to  $x = 0$

19) through:  $(3, -2)$ , perp. to  $y = \frac{3}{7}x - 1$

20) through:  $(2, -1)$ , perp. to  $y = -\frac{1}{2}x - 5$

21) through:  $(-5, 2)$ , perp. to  $y = -\frac{5}{2}x$

22) through:  $(-1, 0)$ , perp. to  $y = -x + 1$

23) through:  $(4, 3)$ , perp. to  $y = -4x$

24) through:  $(1, -1)$ , perp. to  $y = \frac{1}{4}x$

## Answers to Q3Week1 Practice - Ref. Ch. 4-9 (ID: 1)

1)  $y = -x + 2$

2)  $y = \frac{4}{7}x - \frac{15}{7}$

3)  $y = \frac{4}{5}x + \frac{4}{5}$

4)  $y = -x - 2$

5)  $x = -1$

6)  $y = -3x + 14$

7)  $y = -\frac{3}{2}x + 4$

8)  $y = -\frac{2}{7}x - \frac{17}{7}$

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

10)  $y = -\frac{8}{7}x - \frac{5}{7}$

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

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

13)  $y = 7x - 2$

14)  $x = 1$

15)  $y = 7x + 3$

16)  $y = \frac{5}{3}x + 2$

17)  $y = \frac{2}{5}x - 1$

18)  $y = -2$

19)  $y = -\frac{7}{3}x + 5$

20)  $y = 2x - 5$

21)  $y = \frac{2}{5}x + 4$

22)  $y = x + 1$

23)  $y = \frac{1}{4}x + 2$

24)  $y = -4x + 3$