

Week 7 Practice - Ref. Ch. 4-6

Date _____ Period _____

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Write the slope-intercept form of the equation of each line given the slope and y-intercept.

1) Slope = -6 , y-intercept = 3

2) Slope = $\frac{7}{3}$, y-intercept = 5

3) Slope = $\frac{3}{5}$, y-intercept = 1

4) Slope = $\frac{6}{5}$, y-intercept = 2

5) Slope = $\frac{4}{5}$, y-intercept = -5

6) Slope = $-\frac{8}{5}$, y-intercept = -3

7) Slope = $-\frac{4}{5}$, y-intercept = 1

8) Slope = $-\frac{1}{4}$, y-intercept = -1

Write the slope-intercept form of the equation of each line.

9) $-4y = -8 + 7x$

10) $8x = 5y + 15$

11) $3y = 12 - x$

12) $1 - y = -2x$

13) $12 - 3y = -5x$

14) $y - x = -3$

15) $4x - 12 = -y$

16) $1 - y - \frac{3}{4}x = 0$

17) $8 + 6x = 16y$

18) $-4y - 6x = -20$

19) $0 = 20 - 9x - 5y$

20) $-5x - 10 = 2y$

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

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

22) through: $(0, 2)$ and $(2, 4)$

23) through: $(0, 5)$ and $(1, 4)$

24) through: $(5, 3)$ and $(0, 3)$

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

26) through: $(4, 4)$ and $(-5, 2)$

27) through: $(4, 1)$ and $(0, -4)$

28) through: $(0, -2)$ and $(5, 0)$

29) through: $(-2, -2)$ and $(0, 3)$

30) through: $(0, 5)$ and $(2, 1)$

31) through: $(-2, 4)$ and $(0, -3)$

32) through: $(-2, 3)$ and $(0, -4)$

Answers to Week 7 Practice - Ref. Ch. 4-6 (ID: 1)

1) $y = -6x + 3$

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

3) $y = \frac{3}{5}x + 1$

4) $y = \frac{6}{5}x + 2$

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

6) $y = -\frac{8}{5}x - 3$

7) $y = -\frac{4}{5}x + 1$

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

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

10) $y = \frac{8}{5}x - 3$

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

12) $y = 2x + 1$

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

14) $y = x - 3$

15) $y = -4x + 12$

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

17) $y = \frac{3}{8}x + \frac{1}{2}$

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

19) $y = -\frac{9}{5}x + 4$

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

21) $y = -x$

22) $y = x + 2$

23) $y = -x + 5$

24) $y = 3$

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

26) $y = \frac{2}{9}x + \frac{28}{9}$

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

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

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

30) $y = -2x + 5$

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

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