College Math Name_____

Parallel & Perpendicular Slopes - Practice

Date_____

Find the SLOPE of a line PARALLEL to each given line.

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

$-\frac{3}{2}$

2) $y = -4x + 3$

-4

3) $y = -x - 2$

-1

4) $y = 2x + 5$

2

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

$\frac{7}{3}$

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

$-\frac{1}{5}$

7) $2x - y = 2$

2

8) $2x - 3y = 9$

$\frac{2}{3}$

9) $5x + 3y = -15$

$-\frac{5}{3}$

10) $7x - 2y = 4$

$\frac{7}{2}$

11) $2x - 5y = 20$

$\frac{2}{5}$

12) $x - 4y = -4$

$\frac{1}{4}$

13) $y - 8 = -(x + 9)$

-1

14) $y + 4 = x + 3$

1

15) $y - 12 = \frac{1}{4}(x + 5)$

$\frac{1}{4}$

16) $y + 3 = -\frac{5}{2}(x - 6)$

$-\frac{5}{2}$

17) $y - 2 = \frac{5}{4}(x - 2)$

$\frac{5}{4}$

18) $y + 1 = -\frac{3}{4}(x + 7)$

$-\frac{3}{4}$

Find the SLOPE of a line PERPENDICULAR to each given line.

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

$\frac{5}{3}$

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

-2

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

5

22) $y = x + 3$

-1

23) $y = -2x + 3$

$\frac{1}{2}$

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

-4

25) $x - 2y = 8$

-2

26) $4x + 5y = 0$

$\frac{5}{4}$

27) $2x - 5y = 20$

$-\frac{5}{2}$

28) $8x + 3y = -15$

$\frac{3}{8}$

29) $x - y = -1$

-1

30) $6x - y = 5$

$-\frac{1}{6}$

31) $y + 6 = x + 4$

-1

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

5

33) $y - 9 = -\frac{5}{3}(x + 4)$

$\frac{3}{5}$

34) $y + 10 = \frac{4}{3}(x + 1)$

$-\frac{3}{4}$

35) $y - 8 = \frac{4}{3}(x - 2)$

$-\frac{3}{4}$

36) $y - 5 = -2(x - 7)$

$\frac{1}{2}$