

CDL Day 7

Date _____

Period _____

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

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

2) Slope = -1 , y-intercept = -1

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

3) $5x - 8y = 40$

4) $x + 4y = 24$

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

6) $y - 2 = x - 1$

7) $15y = -18x - 30$

8) $x = -2 + y$

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

9) through: $(3, -1)$, slope = $\frac{2}{3}$

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

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

11) through: $(-5, 4)$ and $(0, -3)$

12) through: $(-1, -2)$ and $(-2, 1)$

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

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

14) through: $(3, 0)$, parallel to $y = \frac{2}{7}x - 5$

15) through: $(1, -3)$, perp. to $y = -3$

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

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

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

18) through: $(5, 2)$ and $(5, -5)$

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

19) through: $(1, -5)$, slope = -6

20) through: $(-2, 3)$, slope = $\frac{1}{2}$