

HW 7.2 Writing $y=mx+b$

Due Date _____ 5T _____

Create the slope intercept form ($y=mx+b$) based on the given information.

1) Slope = 1, $b = -5$

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

3) Slope = $\frac{1}{2}$, $(0, -4)$

4) Slope = $\frac{3}{5}$, $(0, 5)$

5) through: $(-3, -4)$, slope = $\frac{5}{3}$

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

7) through: $(-2, 2)$, slope = $-\frac{6}{5}$

8) through: $(-4, 5)$, slope = $-\frac{1}{2}$

9) through: $(3, 4)$ and $(2, -1)$

10) through: $(-3, -1)$ and $(4, -3)$

11) through: $(-3, -2)$ and $(-4, 5)$

12) through: $(-2, 4)$ and $(0, -4)$

13) Create the equation of the line which has the same slope as $2x - 5y = 10$ and the same y-intercept as $4x + 7y - 21 = 0$.