

Graphing Worksheet 43

Use the given information to write the equation of the line in point-slope form. Then change the equation to slope-intercept form. Finally, change the equation to standard form.

1. Slope: -2 Point: $(-6, -9)$ **2.** Slope: $-\frac{1}{2}$ Point: $(-10, 2)$ **3.** Slope: $\frac{2}{5}$ Point: $(9, 7)$

4. Slope: $-\frac{3}{2}$ Point: $(-5, -8)$ **5.** Slope: -1 Point: $(2, 7)$ **6.** Slope: 4 Point: $(3, -3)$

7. Points: $(7, 5)$ and $(-10, -2)$ **8.** Points: $(-7, -6)$ and $(6, -1)$ **9.** Points: $(-8, -3)$ and $(9, 5)$

10. Points: $(1, 2)$ and $(-3, -6)$ **11.** Points: $(-5, 8)$ and $(-7, 0)$ **12.** Points: $(-4, 4)$ and $(10, 9)$