

Graphing Worksheet 45

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: $-\frac{4}{9}$ Point: $(-10, -10)$ **2.** Slope: $\frac{3}{2}$ Point: $(9, -2)$ **3.** Slope: $-\frac{9}{10}$ Point: $(0, 3)$

4. Slope: $-\frac{10}{7}$ Point: $(4, 8)$ **5.** Slope: $\frac{3}{4}$ Point: $(-10, 6)$ **6.** Slope: $\frac{9}{4}$ Point: $(-6, 9)$

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

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