

Lines: Lesson 5

Standard Form: Worksheet 1

Name: _____



Write the three different forms of lines:

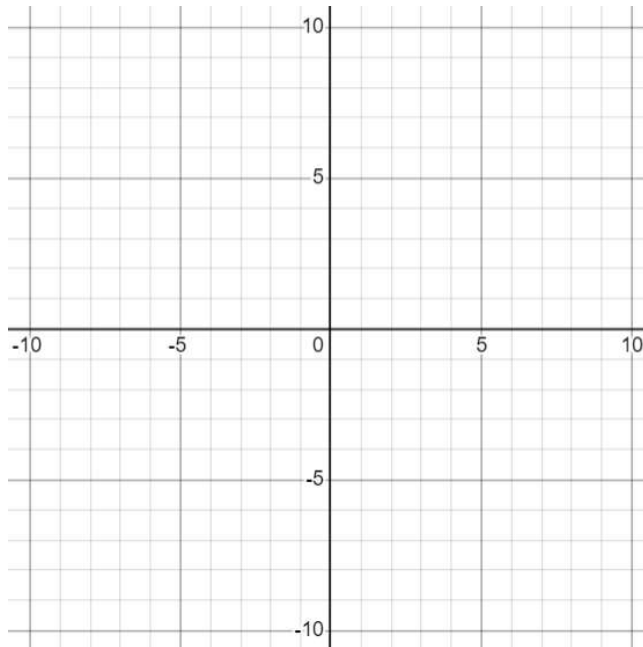
Slope-Intercept: _____

Point-Slope: _____

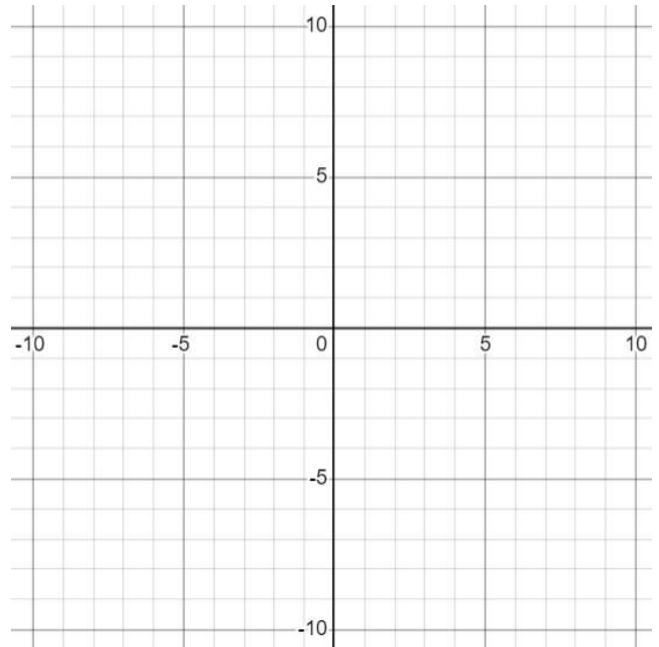
Standard Form: _____

Graph (using any method you choose):

$$3x + 6y = 12$$



$$x - 4y = 8$$



Transform each equation into standard form:

$$\frac{3}{5}y - 2x + 4 = 0$$

$$7 - \frac{2}{3}y = \frac{5}{2}x$$

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

Answer the questions:

For $y = \frac{2}{5}x - 2$,

what is the slope? _____
what is the y-intercept? _____

For $y - 3 = \frac{1}{2}(x + 7)$,

what is the slope? _____
what is a point on the line? _____

(Tricky!) For $y + 5 = x$,

what is the slope? _____
what is a point on the line? _____