Lines: Lesson 6

Equations from 2 Points: Notes

Name: _____

Method 1: Using Point-Slope Form

1. Find the _____ between the points.
2. Put the _____ and _____ point into point-slope form.
3. Distribute the _____ and solve for _____ .

Method 2: Using Slope Intercept Form

1. Find the _____ between the points.
2. Put the _____ and _____ point into $y=mx+b$.
3. Solve for _____ .
4. Put _____ and _____ into $y=mx+b$.

Write the equation of the line through (-3, 5) and (1, 7).

Method 1:

$y-y_1=m(x-x_1)$ $\qquad$ $m=$_____

$y-$____$=$____$(x-$____$)$

Method 2:

$y=mx+b$

Write the equation of the line through (0, 4) and (5, 4).

Method 2:

Write the equation of the line through (-3, 1) and (-3, 5).