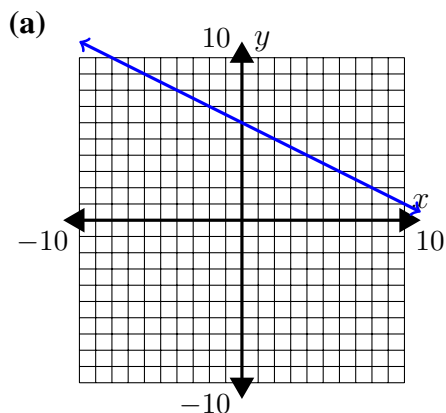


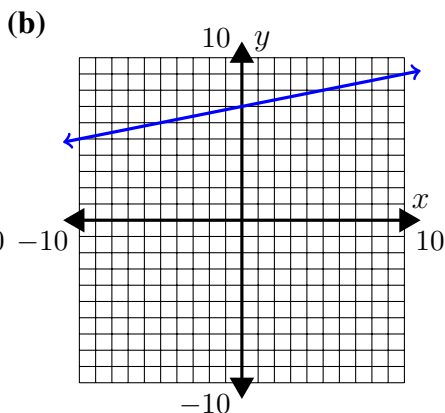
Graphing 5 Review WS

1. Write the equation of the graphed line, in slope-intercept form (once) and point-slope form (at least twice).



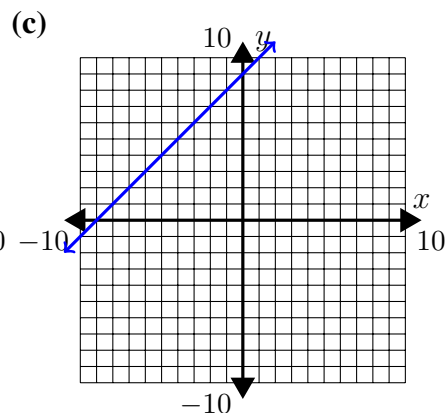
Slope-intercept form:

Point-slope forms:



Slope-intercept form:

Point-slope forms:



Slope-intercept form:

Point-slope forms:

2. Use the given information to write the equation of the line in point-slope form.

- (a) Slope: 2 Point: $(8, -5)$ (b) Slope: $-\frac{1}{5}$ Point: $(10, -8)$ (c) Slope: $\frac{1}{2}$ Point: $(7, 6)$

3. 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.

- (a) Points: $(5, -6)$ and $(3, 9)$ (b) Points: $(2, -5)$ and $(0, 5)$ (c) Points: $(-7, 1)$ and $(6, 5)$

4. Use the given information to write the equation of the requested line in point-slope form. Then change the equation to slope-intercept form. Finally, graph both the given line and your new line.

- (a) Determine the line parallel to $4x + 2y = -2$, passing through $(-9, -4)$ (b) Determine the line perpendicular to $4x + 2y = -2$, passing through $(-8, -4)$

