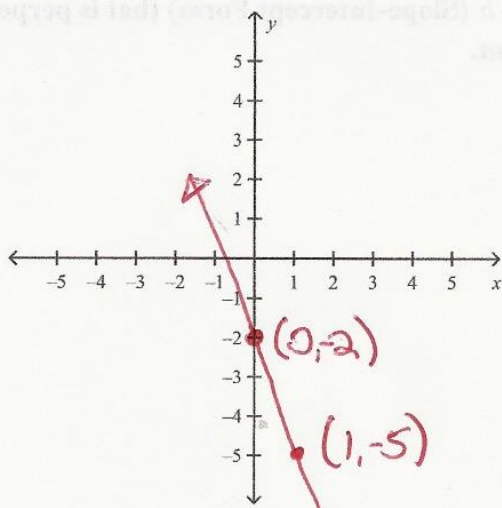


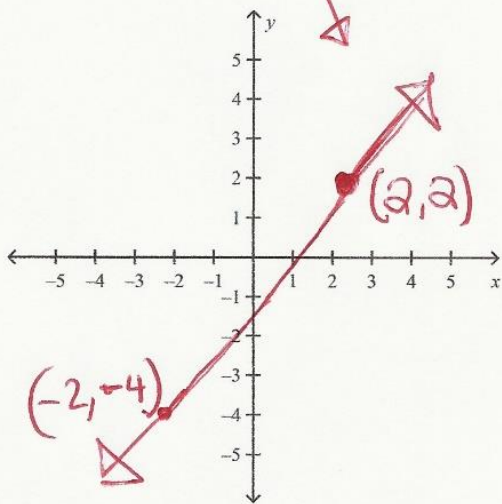
Lesson #9-4 Review Assignment-Creating Equations and Parallel and Perpendicular Lines
 (Reference: Lesson #41, #44, #49, #52 & #65 in book)

Problem

1. For each of the following graphs, please create an equation in $y = mx + b$ (Slope-Intercept Form) that corresponds to information given.



2.



3. For each of the following create an equation in $y = mx + b$ (Slope-Intercept Form) using the two given points and the Point Slope Formula.

3. (3,2) and (0,4)

4. (5,3) and (7,1)

5. For each of the following create an equation in $y = mx + b$ (Slope-Intercept Form) that is parallel to the given equation and passes through the given point.

5. $y = -2x - 5$ and passes through $(-2, 5)$

6. $y = \frac{1}{3}x + 18$ and passes through $(9, -2)$

7. For each of the following create an equation in $y = mx + b$ (Slope-Intercept Form) that is perpendicular to the given equation and passes through the given point.

7. $y = 4x - 9$ and passes through $(8, 3)$

8. $y = -\frac{1}{2}x + 8$ and passes through $(-3, 7)$

