NAME:	HW 3.4 – MIXED QUESTIONS
DATE:	ALGEBRA 1A

1 - 4 Use the graph at right to answer the following questions.



3. Write the equation of a line parallel to the line and passing through the point (2,3) in standard form.

4. Write the equation of a line perpendicular to the line and passing through the point (4,-1) in slope-intercept form.

5 – 11 Using the points P(4, 5) and Q(3, 2) answer the following questions:

5. Find the slope of the line.

6. Find the perpendicular slope and the parallel slope.

7. Write the equation of a line parallel to the *y*-axis and passing through point *P*.

8. Write the equation of a line perpendicular to the *y*-axis and passing through point *Q*.

9. Write the equation of the line passing through point *P* and *Q* in slope-intercept form.

10. Write the equation of the line in slope-intercept from that is perpendicular to line *PQ* and passing through the point (3, 7)

11. Graph both lines #9 and #10 on the same axes

