Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parallel and Perpendicular Practice

1. Parallel lines have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ slopes.
2. What is the slope of the line ?
3. Write the equation of a line parallel to .
4. Write the equation of a line parallel to .
5. Perpendicular lines have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ slopes.
6. What is the slope of the line ?
7. Write the equation of a line perpendicular to .
8. Write the equation of a line perpendicular to .
9. Write an equation a line that is parallel to .
10. Write an equation of a line that is parallel to
11. Write an equation of a line perpendicular to .
12. Write an equation of a line perpendicular to .
13. Write an equation of a line that would intersect .
14. Write an equation of a line that would intersect .

Answer the questions below for the following lines:

1. Which pairs of lines are parallel?

1. Which pairs of lines are perpendicular?

1. Name at least one pair of intersecting lines: