**You must SHOW ALL WORK to receive full credit.**

**What slope would a line parallel to the given line have? What slope would a perpendicular line have?**

1.

Parallel slope\_\_\_\_\_\_\_\_\_ Perpendicular slope \_\_\_\_\_\_\_\_\_

**Write the equation of the line *parallel or perpendicular* to the given line through the given point.**

2**. Perpendicular** to through (16,-8)

**Solve the proportion.**

3.

**Simplify the following exponent problems.**

4.

a. b. c.

5.