**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 \_\_\_\_\_\_\_\_\_

**Using slope –intercept form (y=mx+b), write the equation of the line passing through the given points.**

2.

**Use Pythagorean Theorem to solve for the missing side. Round your answers to the nearest tenth if necessary:**

3.

x

16 cm

20 cm

**Simplify the following exponent problems.**

4. 5. 6. =