Name:

Date:

School:

Facilitator:

5.03 Parallel Lines Additional Practice Key

Here are some additional practice problems to help you. You will not turn these in. They are just to help you better understand.

Questions 1 and 2 refer to this image.



1. Which angle forms an alternate interior angle pair with c?

**Answer: f**

**Angles c and f form an alternate interior angle pair because they are inside the parallel lines, and on opposite sides of the transversal. Angles d and e form the other alternate interior angle pair in this diagram.**

**2. Which angle forms a same side exterior angle pair with angle h?**

**Answer: b**

**Angles b and h form a same side exterior angle pair because they are outside the parallel lines, and on the same side of the transversal. Angles a and g form the other same side exterior angle pair in this diagram.**

**Questions 3 – 5 refer to this image.**



**3. Use the diagram to identify the pair angles: f and g**

**Answer: same side interior**

**4. Use the diagram to identify the pair angles: a and c**

**Answer: corresponding**

**5. Use the diagram to identify the pair angles: a and h**

**Answer: alternate exterior**

**6. Angle pairs created where a transversal crosses two (usually parallel) lines. Each pair of these angles are outside the parallel lines, and on the same side of the transversal.**

**Answer: same side exterior**