Parallel Lines Cut by a Transversal Practice

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



1. Write all of the pairs of alternate interior angles.

2. Write all of the pairs of alternate exterior angles.

3. Write all of the pairs of corresponding angles.

4. If < a = 55⁰, what is the measure of < e?

5. If < b = 112⁰, what is the measure of < h?

6. If < f = 154⁰, what is the measure of < e?

7. If < d = 63⁰, what is the measure of < a?

8. If < g = 125⁰, what is the measure of < b?

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Parallel Lines Cut by a Transversal Practice Answer Key

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



1. Write all of the pairs of alternate interior angles.

<c & < f and <d & <e

2. Write all of the pairs of alternate exterior angles.

<b & < g and <a & <h

3. Write all of the pairs of corresponding angles.

<a & <e, <b & <f, <c & <g, and <d & <h

4. If < a = 55⁰, what is the measure of < e?

55⁰

5. If < b = 112⁰, what is the measure of < h?

68⁰

6. If < f = 154⁰, what is the measure of < e?

26⁰

7. If < d = 63⁰, what is the measure of < a?

63⁰

8. If < g = 125⁰, what is the measure of < b?

125⁰