

Chapter 9 Angle Relationships

Worksheet B Independent Practice

Name: _____ Grade: _____ Date: _____

1. Find the Missing Angle

a. Complementary to 22°

b. Complementary to 64°

c. Supplementary to 99°

d. Supplementary to 145°

e. Straight-line partner of 37°

f. Straight-line partner of 118°

g. Around a point: 80° , 95° , 110° , and x

h. Around a point: 45° , 90° , 135° , and x

2. Parallel Lines

Assume the lines are parallel.

a. Corresponding to 64°

b. Corresponding to 121°

c. Alternate interior to 48°

d. Alternate interior to 133°

e. Co-interior with 76°

f. Co-interior with 109°

3. True or False

a. Complementary angles add to 180° .

b. Supplementary angles add to 180° .

c. Vertically opposite angles are equal.

d. Co-interior angles are equal.

e. Angles around a point add to 360° .

f. Corresponding angles are equal when the lines are parallel.
