

Chapter 11 Polygons and Interior Angle Sums

Worksheet B Independent Practice

Name: _____ Grade: _____ Date: _____

1. Interior Angle Sums

Find the interior angle sum.

a. pentagon

b. hexagon

c. octagon

d. nonagon

e. decagon

2. Regular Polygons

Find one interior angle.

a. regular triangle

b. regular quadrilateral

c. regular pentagon

d. regular hexagon

e. regular octagon

3. Missing Angles

Find x.

a. Quadrilateral: 70° , 100° , 90° , x

b. Pentagon: 100° , 100° , 110° , 120° , x

c. Hexagon: 120° , 130° , 110° , 140° , 115° , x

4. Exterior Angles

Find one exterior angle of each regular polygon.

a. regular triangle

b. regular square

c. regular pentagon

d. regular hexagon

e. regular octagon
