Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Polygon Warm-up 6.1-6.4**

Assume all polygons are regular.



4.) Find the sum of exterior angle measures of a 43-gon.

5.) Find the number of sides a regular polygon has if the measure of an interior angle is 135ᵒ.

6.) Circle all of the properties that hold true for a parallelogram.

Opposite angles are = opposite sides are // opposite side are = diagonals bisect the angles

Diagonals bisect each other Diagonals are congruent diagonals are Sides are

One pair of // sides Consecutive interior angles are suppl.

7.) Solve through factoring: 8.) Solve through factoring:

Key

1. 3780

2. 162

3. 25.7

4. 360

5. 8 sides

6. Opposite angles are = opposite sides are // opposite side are =

Diagonals bisect each other Consecutive interior angles are suppl.

7. x= 7 or x=-5

8. x=5 or x=-2