

Author: _____

Group Members: _____

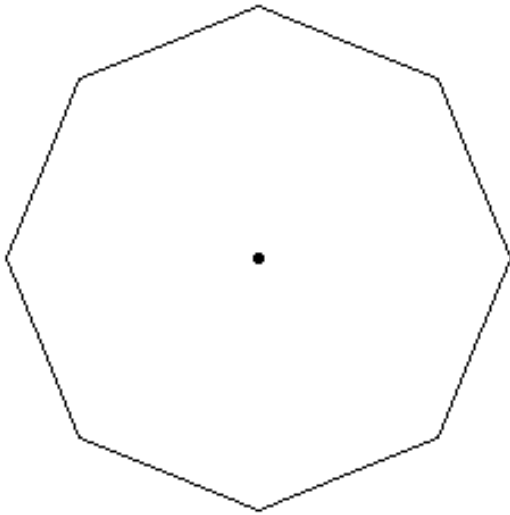
1. A **regular polygon** is a polygon whose sides are all equal and whose angles are all equal. A **regular n -gon** is a regular polygon with n sides.

(a) What is the more common name for a regular 3-gon?

(b) What is the more common name for a regular 4-gon?

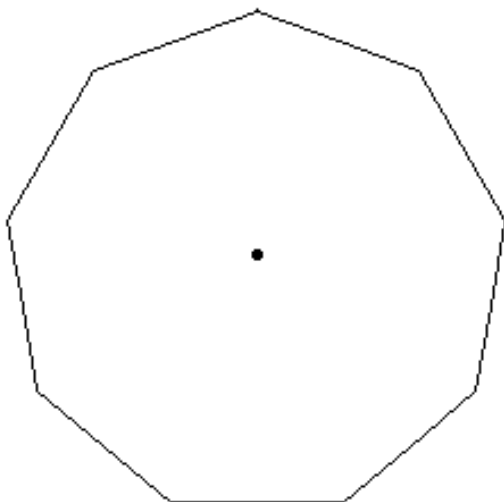
2. Octagon is the name we use for an 8-gon. Find the area of the regular octagon below. When you decide what measurement you need, ask me and I will tell you if I have that measurement or not.

(The center of the octagon has been marked with a dot. This may be useful in finding the area.)



3. Nonagon is the name we use for a 9-gon. Find the area of the regular nonagon below. When you decide what measurement you need, ask me and I will tell you if I have that measurement or not.

(The center of the nonagon has been marked with a dot. This may be useful in finding the area.)



4. Decagon is the name we use for a 10-gon. Find the area of the regular decagon below. When you decide what measurement you need, ask me and I will tell you if I have that measurement or not.

(The center of the decagon has been marked with a dot. This may be useful in finding the area.)

