Area of a Regular Polygons
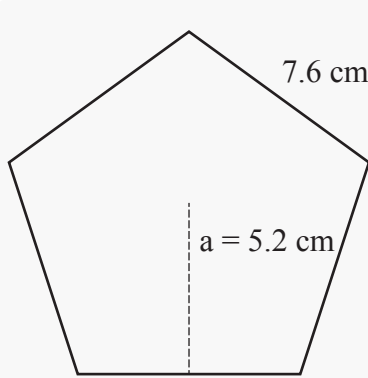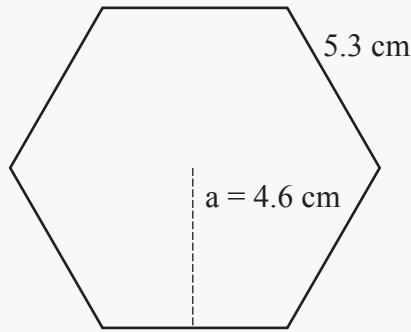
Name: _____   Class: _____
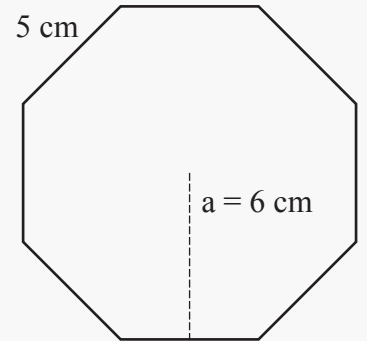
Find the area of the following regular polygons (not to scale). Use the formula:
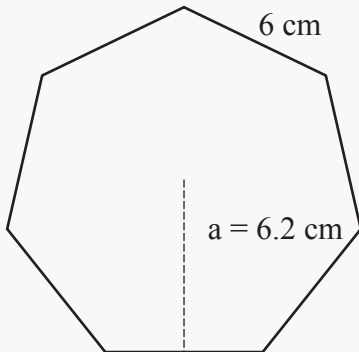**area = 1/2 x (apothem x perimeter).** The apothem was rounded off.

7.6 cm
a = 5.2 cm

Area: _____

5.3 cm
a = 4.6 cm

Area: _____

5 cm
a = 6 cm

Area: _____

6 cm
a = 6.2 cm

Area: _____

8.6 cm
a = 5.9 cm

Area: _____

6.6 cm
a = 5.7 cm

Area: _____

7 cm
a = 8.4 cm

Area: _____

10.3 cm
a = 7.1cm

Area: _____

8 cm
a = 8.3 cm
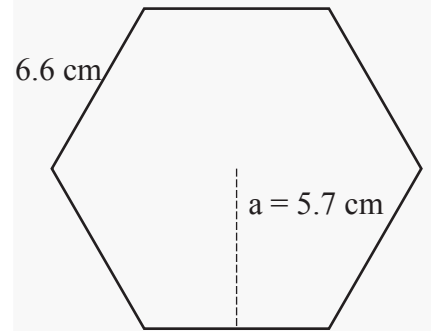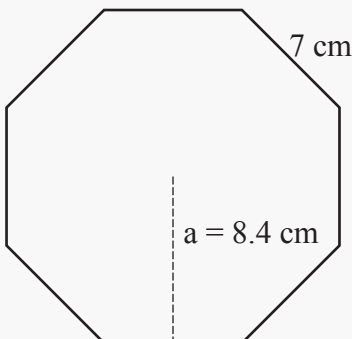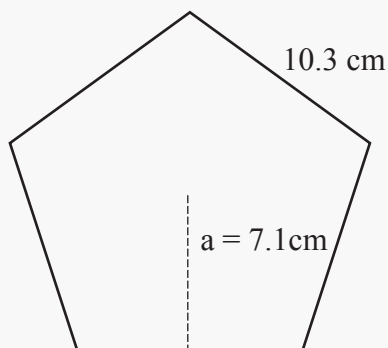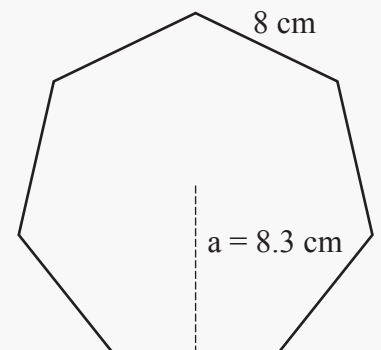
Area: _____

Answers

Find the area of the following regular polygons (not to scale). Use the formula: **area = 1/2 x (apothem x perimeter).** The apothem was rounded off.
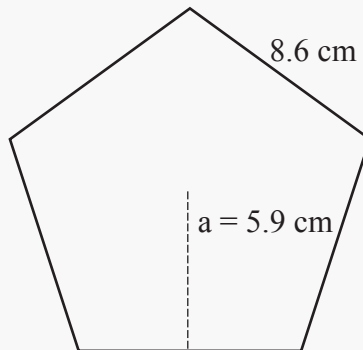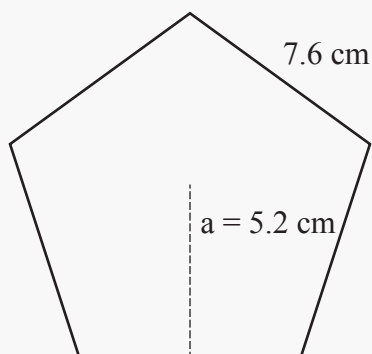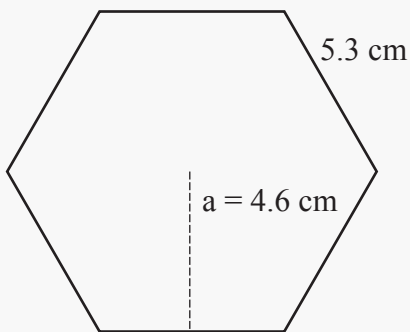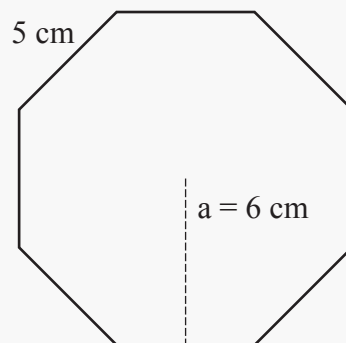
7.6 cm
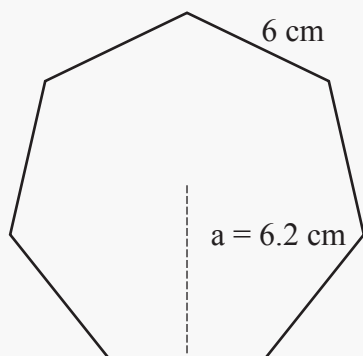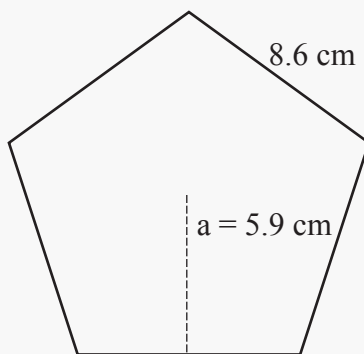
a = 5.2 cm

Area: **98.8 cm²**

5.3 cm

a = 4.6 cm

Area: **73.14 cm²**

5 cm

a = 6 cm

Area: **120cm²**

6 cm

a = 6.2 cm

Area: **130.2 cm²**

8.6 cm

a = 5.9 cm

Area: **126.85 cm²**

6.6 cm

a = 5.7 cm

Area: **112.86 cm²**

7 cm

a = 8.4 cm

Area: **235.2 cm²**

10.3 cm

a = 7.1cm

Area: **182.83 cm²**

8 cm

a = 8.3 cm

Area: **232.4cm²**