Find x to the nearest tenth. Find y to nearest degree.

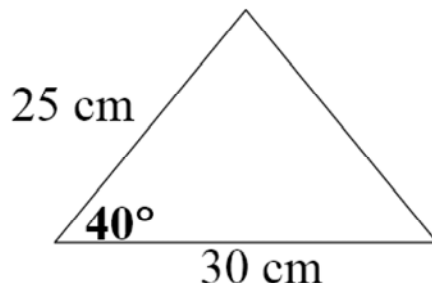**1.**

12"

x"

32°

2.

18"

6"

y
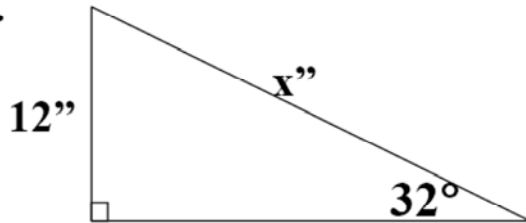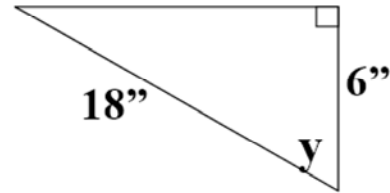
3. Find the height of a tree if the angle of elevation is 20 degrees and you are 60 feet away from the tree. Round answer to the nearest foot.
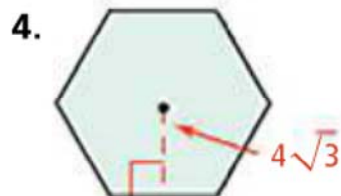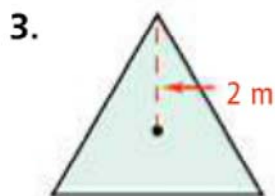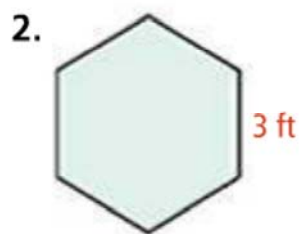
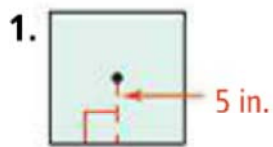Assume the distance from your eye to the ground is 5 feet.

4. Find the area. Round final answer to the nearest square cm.

25 cm

40°

30 cm

Find the area of each regular polygon.
Round final answer to nearest tenth to enter in clicker.

1.

5 in.

2.

3 ft

3.

2 m

4.

$4\sqrt{3}$

Geometry 2nd Semester Week 11 Block Day   WARM-UP

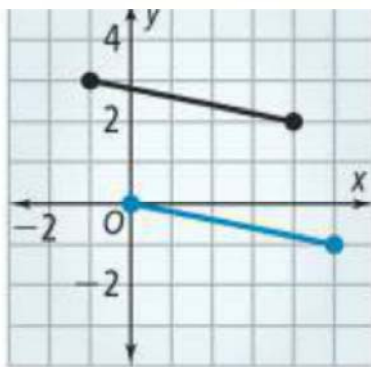Find the area of each of the following <u>regular polygons.</u>
Round to the nearest tenth(at the end!) and enter using clicker.
1. An equilateral triangle with a side of 6 inches.

2. A hexagon with a radius of 6 inches.

3. A pentagon with a perimeter of 40 cm and an apothem of 5.5 cm.

1. What is the <u>measure of a side</u> of an equilateral triangle with an apothem of 20 meters.

2. <u>Find the area o</u>f regular pentagon with a perimeter of 50 ft.

3. <u>Find the perimeter</u> of a regular decagon with an apothem of 14 cm.

4. <u>Find the area </u>of a square with the radius of 10 inches.

The blue figure is a translation image of the black figure. Write a rule to describe each translation.

5.

6.