Round answers to nearest tenth.

1. Find the area of an equilateral triangle with a side of 20 inches.

2. Use the quadratic formula to solve the following equation. Round answers to nearest tenth. $2x^2 + 6x + 3 = 0$

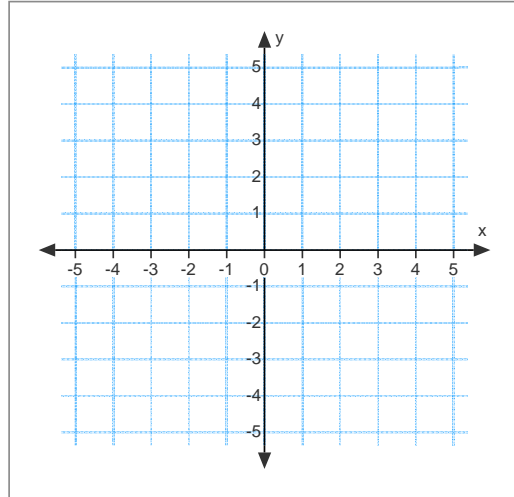**3. Given a circumference of a circle is 80 m, what is the radius?**

A hoola-hoop travels 565 inches when rolled on the ground 5 revolutions.

4.   How far does the hoola-hoop go in one revolution?

5.   What is the radius of the hoola-hoop?
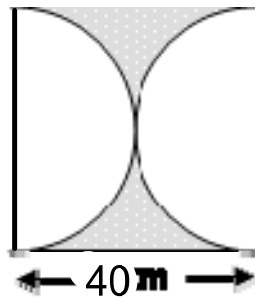
Round answers to nearest tenth.

1. Given the points, A (-3,4) and B (-2,-1) find the distance between A and B.

2. If the diagonal of a rectangle is 30 cm., and the length is 14 cm., what is the width of the rectangle?

3. Multiply the following binomial. $(2x-4)(3x+4)$
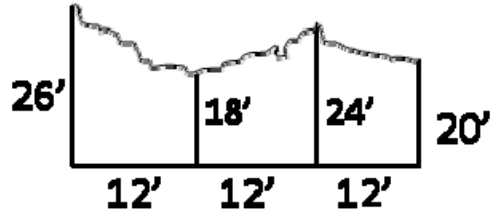
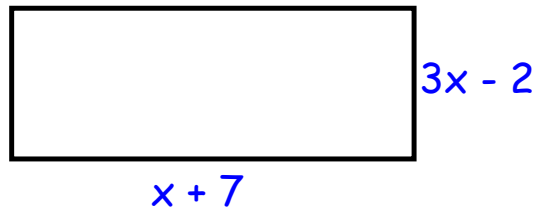4. Find the area of the shaded region.

40 m

Warmup Week 3 Friday

1. **Find the area of a circle with the radius of 14 cm.**

2. **Find the approximate area.**

26'   18'   24'   20'

12'   12'   12'

3. Express the area of the rectangle in terms of x.

3x - 2

x + 7

4. **Make a sketch of three planes intersecting at a point.**