FMP 10 LG 4A (Formative Assessment)
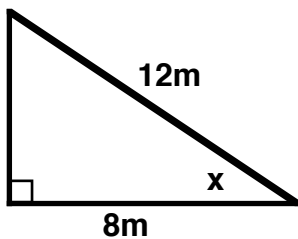
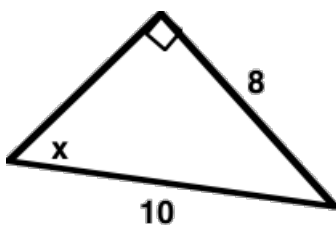**Marking Teacher:** _____   **Name:** _____

Student #: _____

1.   What is the formula for Sine of an angle?

2.   If a 40-foot long conveyor belt rises 8 feet from the road to the loading dock, what is the angle of inclination of the conveyor to the nearest degree?
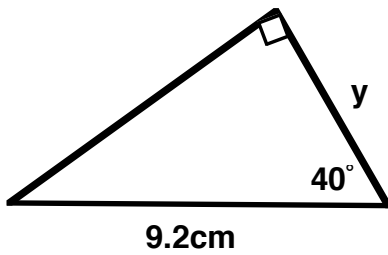
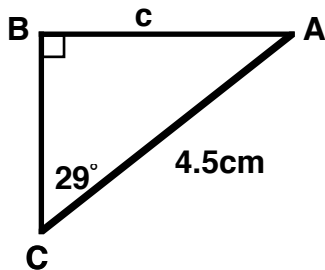3.   Find the measure of the indicated angle to the nearest degree.

4.   Find the measure of the indicated angle to the nearest degree.

5. Find the length of the indicated side to the nearest tenth of a centimeter.

y

40°

9.2cm

6. Find the length of the indicated side to the nearest tenth of a centimeter.

B   C   A

29°   4.5cm

C

7. A cargo ship notices a lighthouse due north of its current position. The ship then travels 4.3Km due east. The angle between the ship's path and the line of sight to the lighthouse is 38.7°. How far is the ship now from the lighthouse, to the nearest hundredth of a kilometer.?

Directions: ☐ **See me about this** ☐ **Move on to next guide** ☐ **Review and redo**
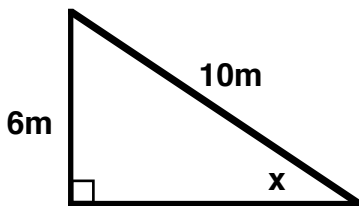
FMP 10 LG 4B (Formative Assessment)

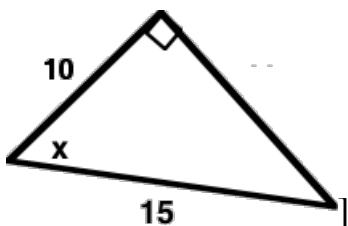**Marking Teacher:** _____

Name: _____

Student #: _____

1. What is the formula for Cosine of an angle?

2. If a 50-foot long conveyor belt rises 6 feet from the road to the loading dock, what is the angle of inclination of the conveyor to the nearest degree?
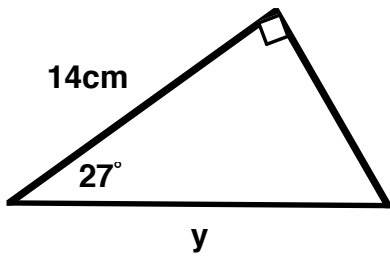
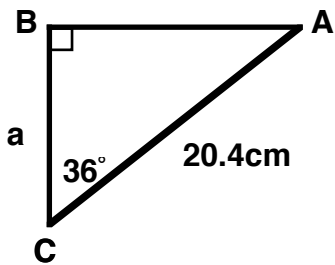3. Find the measure of the indicated angle to the nearest degree.

4. Find the measure of the indicated angle to the nearest degree.

5. Find the length of the indicated side to the nearest tenth of a centimeter.

14cm

27°

y

6. Find the length of the indicated side to the nearest tenth of a centimeter.

B

A

a

36°

20.4cm

C

7. A cargo ship notices a lighthouse due north of its current position. The ship then travels 8.5Km due west. The angle between the ship's path and the line of sight to the lighthouse is 28.6°. How far is the ship now from the lighthouse, to the nearest hundredth of a kilometer.?

Directions: ☐ **See me about this** ☐ **Move on to next guide** ☐ **Review and redo**