**LAW OF COSINES PRACTICE Name:**

1. Solve for the unknown in each triangle. Round to the nearest hundredth.

**A. B. C.**

*θ*

47mm

35mm

*θ*

9.4cm

7cm

13cm

39mm

*x*

42°

22m

17m

**x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** *θ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**θ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

55cm

**D. E. F.**

4.9m

*x*

*x*

61°

50cm

9.1m

8.3m

*θ*

20m

47°

23m

**x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** *θ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

2. A triangle has sides equal to 4 m, 11 m and 8 m. Find its angles (round to the nearest tenth)

3. ****

 z = \_\_\_\_\_\_\_\_\_\_ 