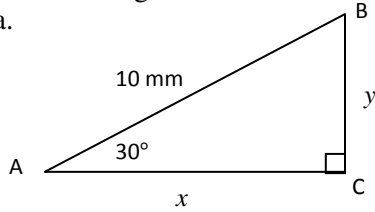**WS 10-2-5** "SOLVING PROBLEMS WITH MULTIPLE RIGHT TRIANGLES"
TRIGONOMETRY UNIT

Name:_____ Block: _____ Date: _____

1. Solve each triangle, to the nearest tenth of a unit.
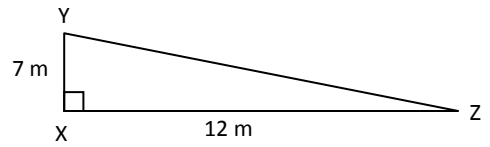   a.   a.

   b.

   $\angle A =$ ____ $\angle B =$ ____ $\angle C =$ ____

   $AB =$ _____ $BC =$ _____ $CA =$ _____

   $\angle X =$ ____ $\angle Y =$ ____ $\angle Z =$ ____

   $XY =$ _____ $YZ =$ _____ $ZX =$ _____

2. Calculate the length of BC to the nearest tenth of a centimetre.
   a.

   b.

   BC = _____

   BC = _____
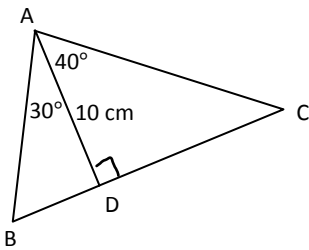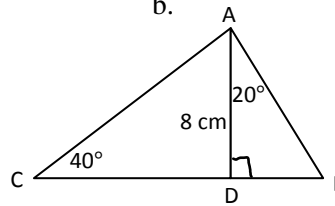
3. Determine the measure of $\angle CAB$ to the nearest degree.

   $\angle CAB =$ _____

Name:_____ Block: _____ Date: _____

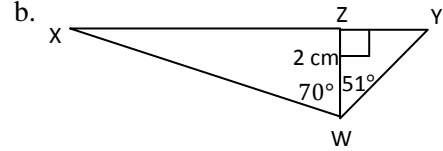4. In each triangle, determine the length of XY to the nearest tenth of a centimetre.

   a.

   b.
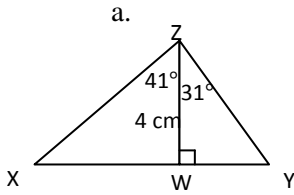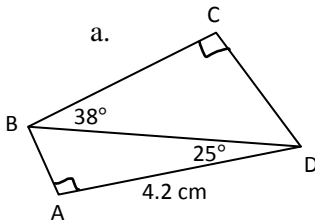

   XY = _____   XY = _____
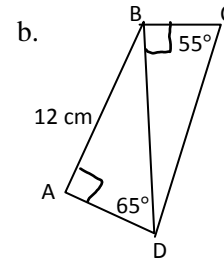
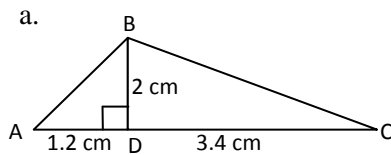5. In each quadrilateral, calculate the length of BC to the nearest hundredth of a centimetre.
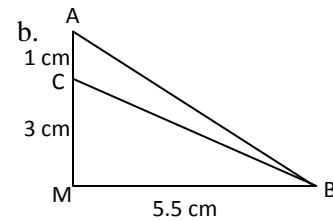
   a.

   b.

   BC = _____   BC = _____

6. In each diagram, calculate the measure of each ∠ABC to the nearest tenth of a degree.

   a.

   b.

   ∠ABC = _____   ∠ABC = _____