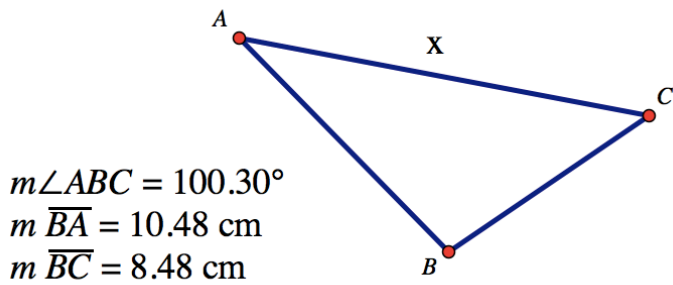


PC 6-5 Group Practice/Warm-Up

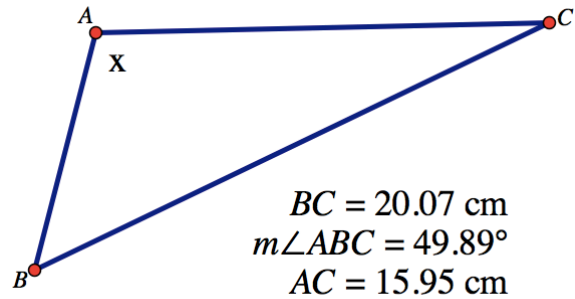
1) The triangle shown is drawn to scale.

- Draw the triangle
- Label the sides with the measurements shown
- Solve for x and show work.



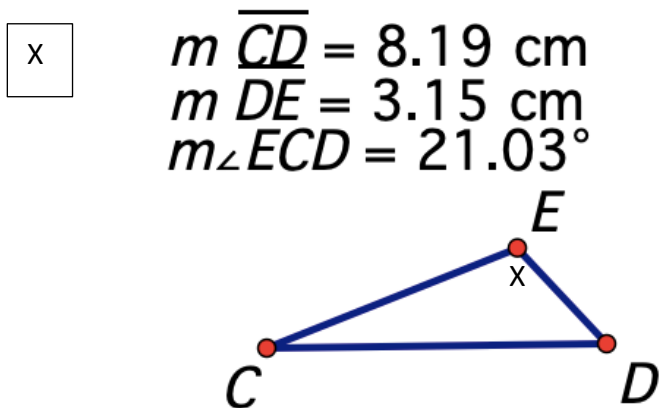
2) The triangle shown is drawn to scale.

- Draw the triangle
- Label the sides with the measurements shown
- Solve for x and show work.



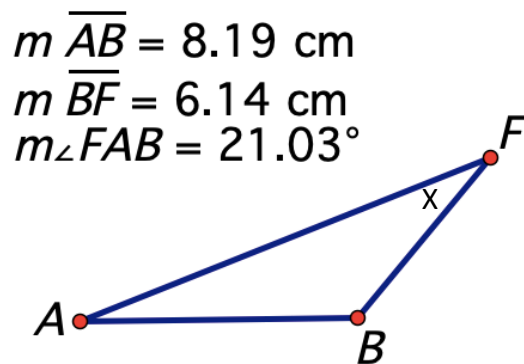
3) The triangle shown is drawn to scale.

- Draw the triangle
- Label the sides with the measurements shown
- Solve for x and show work.



4) The triangle shown is drawn to scale.

- Draw the triangle
- Label the sides with the measurements shown
- Solve for x and show work.



5) A boat leaves port traveling on a heading of $S30^\circ E$ at 20 knots for 3 hours. It then turns to a heading of $S20^\circ W$ at 15 knots for 7 hours.

- Draw the diagram given the description
- Determine how far away the boat is from port.

6) A plane takes off traveling on a heading of $N10^\circ W$ at 583mph for 2.5 hours. It then turns to a heading of $N60^\circ E$ at 570mph for 3 hours.

- Draw the diagram given the description
- Determine how far away the plane is from where it took off.

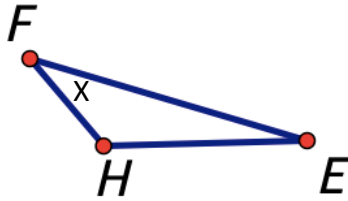
7) The triangle shown is drawn to scale.

- Draw the triangle
- Label the sides with the measurements shown
- Solve for x and show work.

$$m \overline{FH} = 3.10 \text{ cm}$$

$$m \overline{FE} = 7.84 \text{ cm}$$

$$m \angle HEF = 17.98^\circ$$



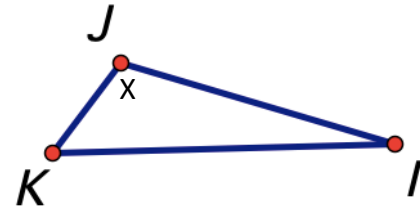
8) The triangle shown is drawn to scale.

- Draw the triangle
- Label the sides with the measurements shown
- Solve for x and show work.

$$m \overline{KJ} = 3.10 \text{ cm}$$

$$m \overline{JI} = 7.84 \text{ cm}$$

$$m \angle KIJ = 17.98^\circ$$



$$m \overline{BA} = 3.10 \text{ cm}$$

$$m \overline{AC} = 3.10 \text{ cm}$$

