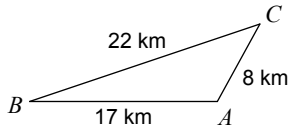


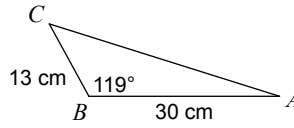
Assignment: Sine and Cosine rule

Solve each triangle. Round your answers to the nearest tenth.

1)

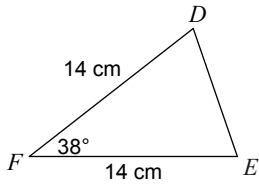


2)

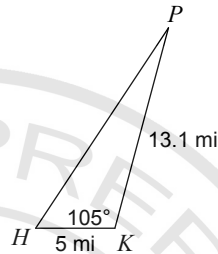


Find the area of each triangle to the nearest tenth.

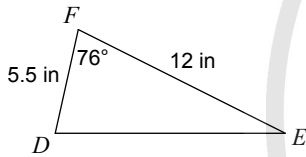
3)



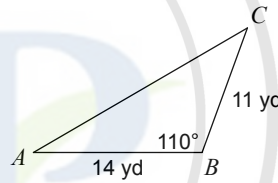
4)



5)

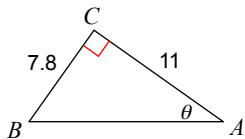


6)

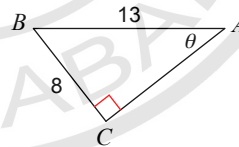


Find the measure of each angle indicated. Round to the nearest tenth.

7)

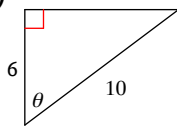


8)

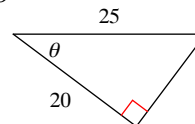


Find the value of the trig function indicated.

9)  $\cos \theta$



10)  $\sin \theta$



## Answers to Assignment: Sine and Cosine rule

1)  $m\angle A = 118.8^\circ, m\angle B = 18.6^\circ, m\angle C = 42.6^\circ$

3)  $60.3 \text{ cm}^2$

7)  $35.3^\circ$

4)  $31.6 \text{ mi}^2$

8)  $38^\circ$

2)  $m\angle C = 43.6^\circ, m\angle A = 17.4^\circ, b = 38 \text{ cm}$

5)  $32 \text{ in}^2$

9)  $\frac{3}{5}$

6)  $72.4 \text{ yd}^2$

10)  $\frac{3}{5}$

