Solve the Triangle

Find all missing sides & angles.

Steps:

- 1. Look at the information given to you first.
- 2. Decide what you would like to solve for.
- 3. Solve using Soh Cah Toa or Pythagorean Theorem ($a^2 + b^2 = c^2$)

Remember: All angles in a triangle add up to 180°.

Ex 1)

To find

side
$$c = 17.5$$
 $\angle A = 53^{\circ}$
 $\angle B = 180 - 90 - 53 = 37^{\circ}$

Pick any trig ratio

 $Sin \theta = 14$
 $\theta = Sin^{-1} \left(\frac{14}{17.5} \right)$
 $A = 53^{\circ}$
 $A = 53^{\circ}$
 $A = 10.5$
 $A = 10$

