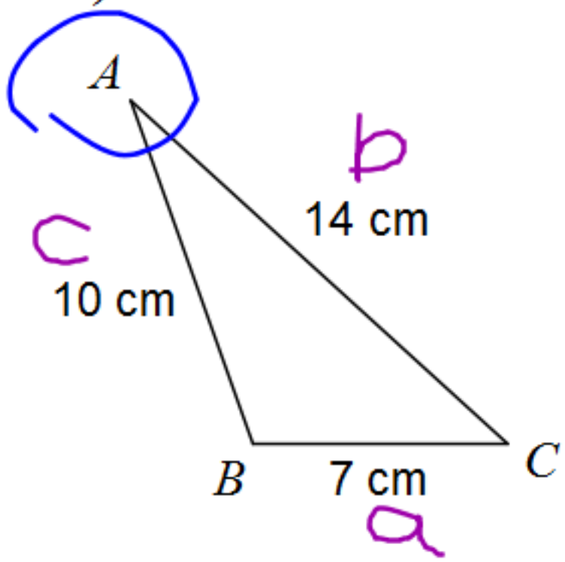
Find each measurement indicated. Round your answers to the nearest tenth.

UNKNOWN = LEFTSIDE

12) Find $m\angle A$



$$\cos A = \frac{b^2 + c^2 - a^2}{2bc}$$

$$\cos A = \frac{14^2 + 10^2 - 7^2}{(2)(14)(10)} \leftarrow$$

$$\cos A = \frac{196 + 100 - 49}{280} \leftarrow$$

$$\cos A = \frac{247}{280} \div$$

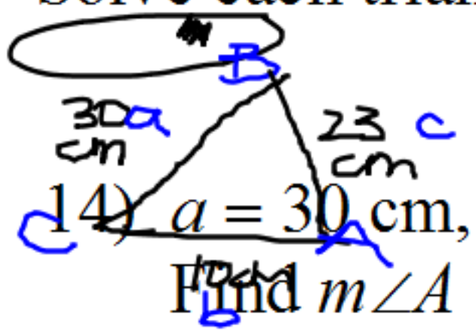
$\cos^{-1}$ $\cos^{-1}$

$$\cos A = 0.8821$$

$$A = 28^\circ$$

COSINE

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



14) $a = 30$ cm, $c = 23$ cm, $b = 10$ cm

Find $m\angle A$

$$\cos A = \frac{b^2 + c^2 - a^2}{2bc}$$

$$\cos A = \frac{10^2 + 23^2 - 30^2}{(2)(10)(23)}$$

$$\cos A = \frac{100 + 529 - 900}{460}$$

$$\cos = \frac{-271}{460}$$

$\cos^{-1}$ $\cos$

$\cos A = -0.5891$

$A = 126°$

Homework:

Cosine Law - #16 and 17 solving for the angles,

Then - choose 3 questions from 18, 19, 20, 21, 22, 23 - solving ALL SIDES AND ANGLES using either Cosine Law or Sine Law