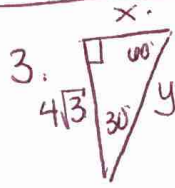
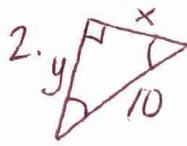
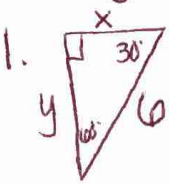
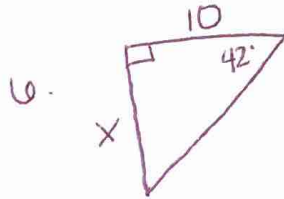
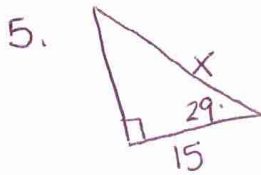
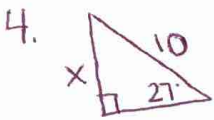


# WARM UP

using special right  $\Delta$ s, find  $x$  &  $y$



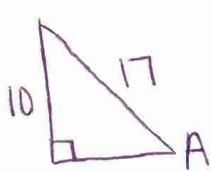
use SOH-CAH-TOA to find  $x$



## Solving for the missing angle

use in the inverse trig functions, on your calculator is  $\tan^{-1}$ ,  $\cos^{-1}$ ,  $\sin^{-1}$

ex 1



$$\sin A = \frac{10}{17}$$

$$\sin^{-1}(\sin A) = \sin^{-1}(10/17)$$

take the inverse of both sides

$$A = \sin^{-1}(10/17) \leftarrow \text{exact}$$

$$A = 36^\circ \leftarrow \text{approx.}$$

left with just the angle

ex 2

