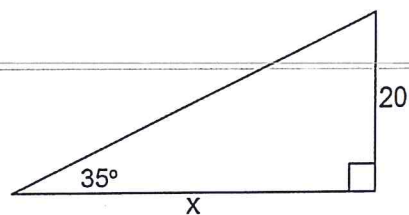
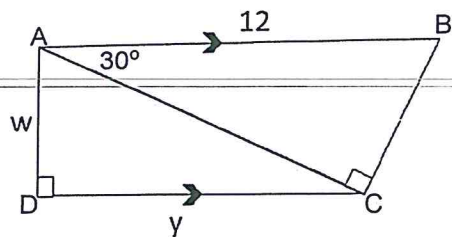


1. Find the exact values of w and y .

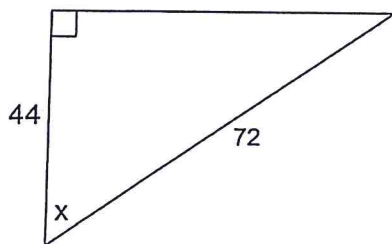
2. Find the value of x to the nearest tenth.

Given: $\overline{AB} \parallel \overline{CD}$



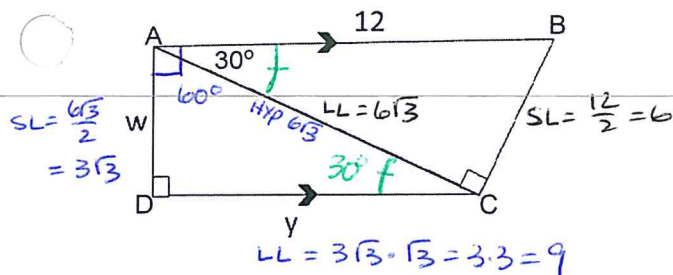
3. Find the value of x to the nearest hundredth.

4. In a right triangle, one angle measures x° , where $\sin x^\circ = \frac{4}{5}$. What is $\cos(90^\circ - x^\circ)$?



1. Find the exact values of w and y .

Given: $\overline{AB} \parallel \overline{CD}$

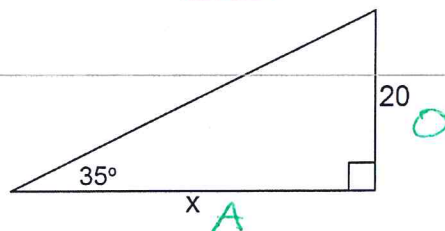


$$w = 3\sqrt{3}$$

$$y = 9$$

2. Find the value of x to the nearest tenth.

SOH CAH TOA



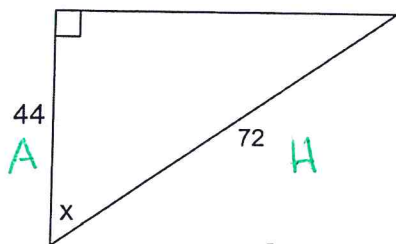
$$\tan 35^\circ = \frac{20}{x}$$

$$x = 20 \div \tan 35^\circ$$

$$x = 28.6$$

3. Find the value of x to the nearest hundredth.

SOH CAH TOA

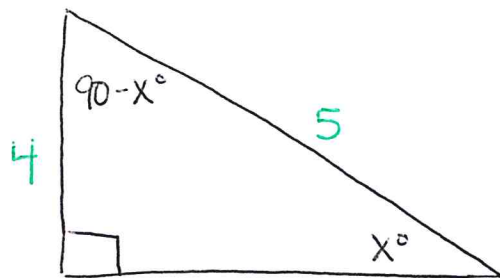


$$\cos x = \frac{44}{72}$$

$$x = \cos^{-1}\left(\frac{44}{72}\right)$$

$$x = 52.33^\circ$$

4. In a right triangle, one angle measures x° , where $\sin x^\circ = \frac{4}{5}$. What is $\cos(90^\circ - x^\circ)$?



$$\sin x^\circ = \frac{4}{5} = \frac{\text{opp leg}}{\text{hyp}}$$

$$\cos(90^\circ - x^\circ) = \frac{\text{adj leg}}{\text{hyp}}$$

$$\cos(90^\circ - x^\circ) = \frac{4}{5}$$