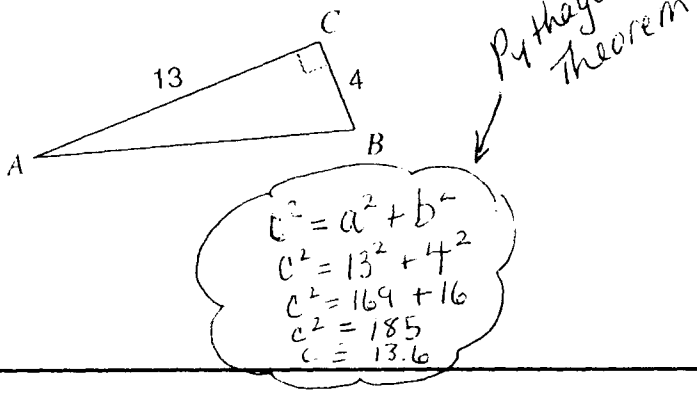
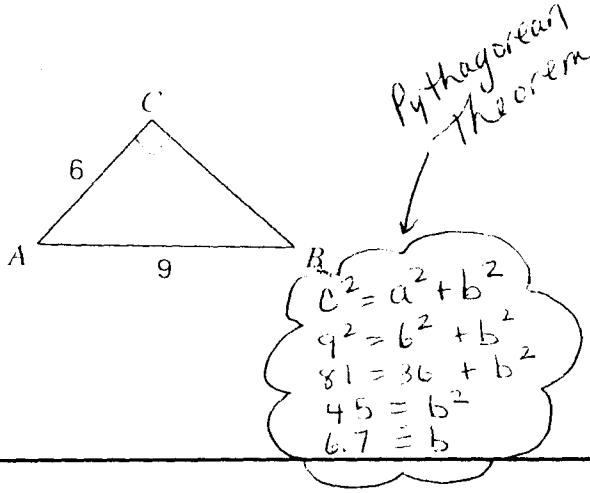
Solving **Right Triangles** using Pythagorean Theorem and Trigonometric Ratios

NOTE

Solving for a missing side when given the other 2 sides

* use the Pythagorean Theorem





Solving for a missing angle when given 2 other sides

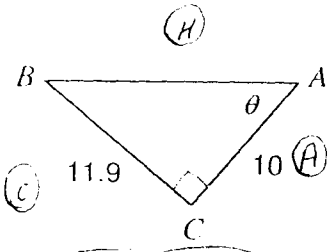
* use trig ratios (sin – cos – tan)

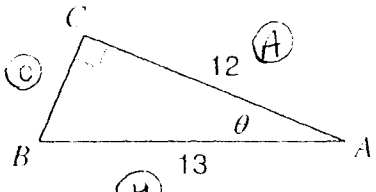
$\sin\theta = \frac{opp}{hyp}$

$\cos\theta = \frac{adj}{hyp}$

$\tan\theta = \frac{opp}{adj}$

Trig Ratios





Solving for a missing side when given one other side and an angle

* use trig ratios (sin – cos – tan)