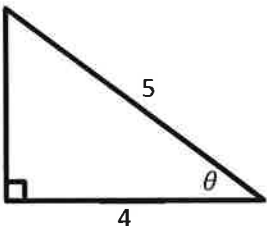
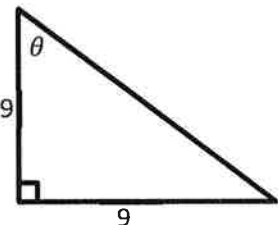
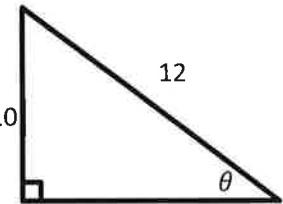
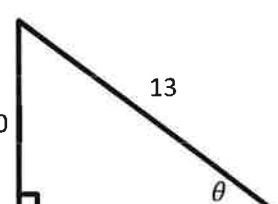
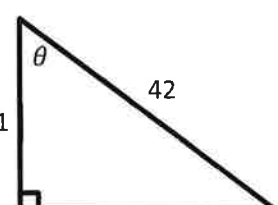


Name: KEYTrigonometry of Right Angle Triangles – SOH CAH TOASolve for the desired angle of the right angle triangle, round to the nearest ~~degree~~ tenth of a degree

1.		<p>Need Angle have ADJ and HYP so CAH</p> $\cos \theta = \frac{4}{5}$ $\theta = \cos^{-1}\left(\frac{4}{5}\right)$ $\theta = 36.9^\circ$
2.		<p>Have OPP and ADJ so TOA</p> $\tan \theta = \frac{9}{9}$ $\theta = \tan^{-1}\left(\frac{9}{9}\right)$ $\theta = 45^\circ$
3.		<p>Have OPP and HYP so SOH</p> $\sin \theta = \frac{10}{12}$ $\theta = \sin^{-1}\left(\frac{10}{12}\right)$ $\theta = 56.4^\circ$
4.		<p>Have OPP and HYP so SOH</p> $\sin \theta = \frac{10}{13}$ $\theta = \sin^{-1}\left(\frac{10}{13}\right)$ $\theta = 50.3^\circ$
5.		<p>Have ADJ and HYP so CAH</p> $\cos \theta = \frac{41}{42}$ $\theta = \cos^{-1}\left(\frac{41}{42}\right)$ $\theta = 12.5^\circ$

Triangles not to scale, trust the math