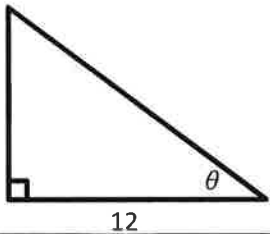
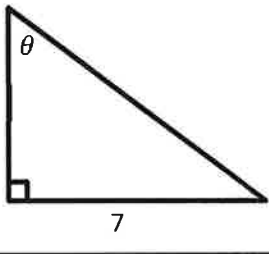
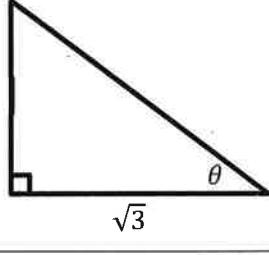
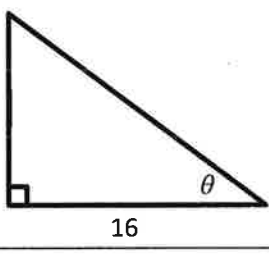
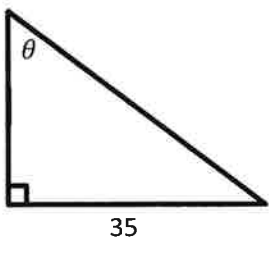


Name: **KEY**Trigonometry of Right Angle Triangles – TOASolve for the desired angle of the right angle triangle, round to the nearest ~~degree~~ *tenths of a degree*.

1.		$\tan \theta = \frac{8}{12}$ $\theta = \tan^{-1} \frac{8}{12}$ $\theta = 33.7^\circ$
2.		$\tan \theta = \frac{7}{5}$ $\theta = \tan^{-1} \frac{7}{5}$ $\theta = 54.5^\circ$
3.		$\tan \theta = \frac{1}{\sqrt{3}}$ $\theta = \tan^{-1} \frac{1}{\sqrt{3}}$ $\theta = 30^\circ$
4.		$\tan \theta = \frac{11}{16}$ $\theta = \tan^{-1} \frac{11}{16}$ $\theta = 34.5^\circ$
5.		$\tan \theta = \frac{35}{28}$ $\theta = \tan^{-1} \frac{35}{28}$ $\theta = 51.3^\circ$

Triangles not to scale, trust the math