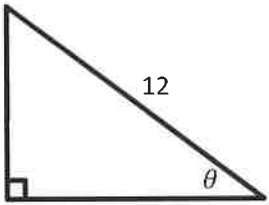
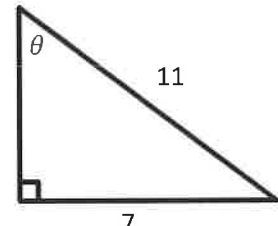
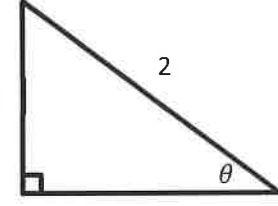
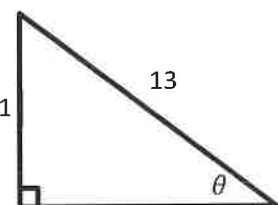
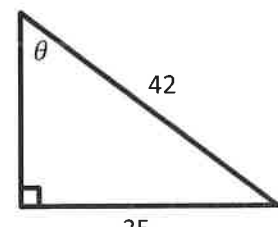


Name: KEY

Trigonometry of Right Angle Triangles – SOHSolve for the desired angle of the right angle triangle, round to the nearest ~~degree~~ tenth of a degree

1.		$\sin \theta = \frac{8}{12}$ $\theta = \sin^{-1}\left(\frac{8}{12}\right)$ $\theta = 41.8^\circ$
2.		$\sin \theta = \frac{7}{11}$ $\theta = \sin^{-1}\frac{7}{11}$ $\theta = 39.5^\circ$
3.		$\sin \theta = \frac{1}{2}$ $\theta = \sin^{-1} \frac{1}{2}$ $\theta = 30^\circ$
4.		$\sin \theta = \frac{11}{13}$ $\theta = \sin^{-1}\left(\frac{11}{13}\right)$ $\theta = 57.8^\circ$
5.		$\sin \theta = \frac{35}{42}$ $\theta = \sin^{-1}\left(\frac{35}{42}\right)$ $\theta = 56.4^\circ$

Triangles not to scale, trust the math