

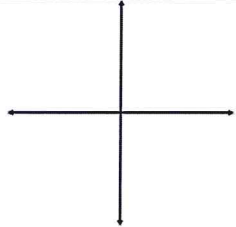
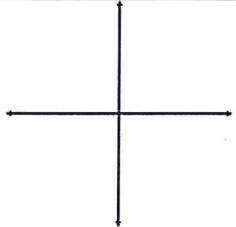
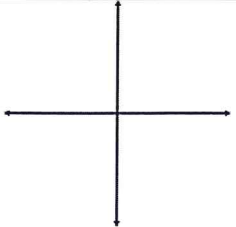
Trigonometry

SOH-CAH-TOA, Hand Trick, Solving Triangles – Completion

Evaluate the six trigonometric functions for the regular right triangle for $\angle A$.

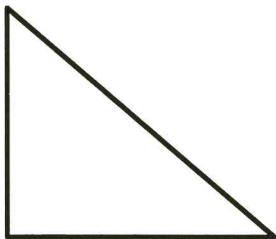
1. $a = 4$ & $c = 7$

Using the hand trick discussed in class, give the exact value of each of the following trig functions:

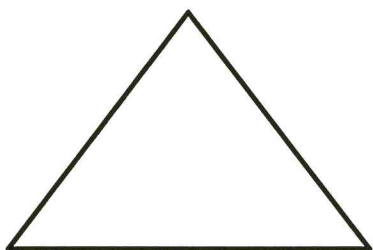
Given Angle	Reference Angle	Quadrant Terminal Side is located in	Exact Value
2. $\sin -210^\circ$			
3. $\cos 240^\circ$			
4. $\tan 270^\circ$			

Solve the following triangles given the provided information. Round all angles to the nearest tenth of a degree and sides to the nearest tenth if using inverse trig functions:

5. $\angle B = 30^\circ$ & $a = 9$



6. $\angle C = 104^\circ$, $b = 16$, & $c = 25$



7. $\angle B = 63^\circ$, $a = 29$, & $c = 38$

