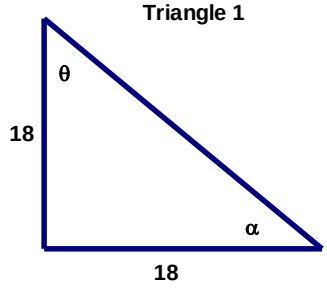
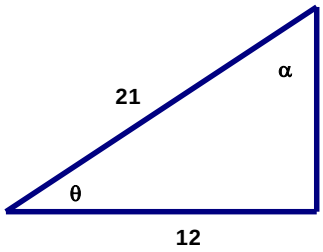
8-2 SOHCAHTOA Angles

Name _____

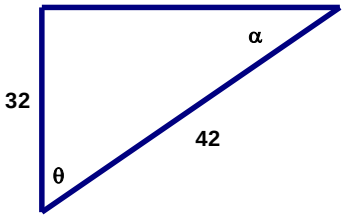
Triangle 1



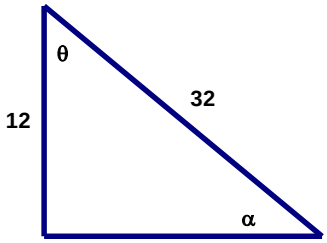
Triangle 2



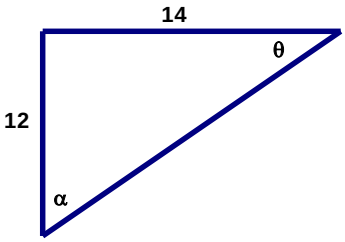
Triangle 3



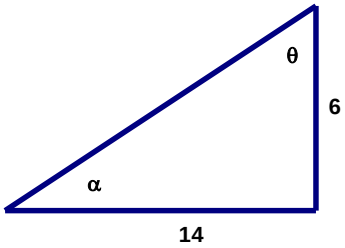
Triangle 4



Triangle 5



Triangle 6



Consider the right triangles above. Give the value of θ and α rounded to the nearest tenth. Though it would be easy to find one after finding the other, use the trig functions to help you instead of simply subtracting from 90 degrees.

Triangle 1 θ = _____ α = _____

Triangle 2 θ = _____ α = _____

Triangle 3 θ = _____ α = _____

Triangle 4 θ = _____ α = _____

Triangle 5 θ = _____ α = _____

Triangle 6 θ = _____ α = _____