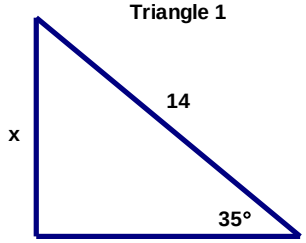
Geometry 8-1 SOHCAHTOA

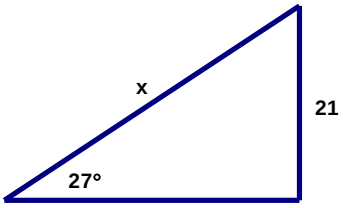
Name: _____ Time› Start: _____ Finish: _____ Total Time = _____

All triangles are right triangles. Round the value of x to the nearest tenth.

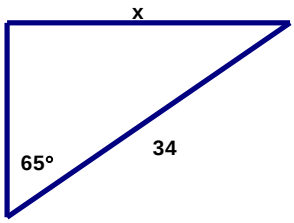
Triangle 1



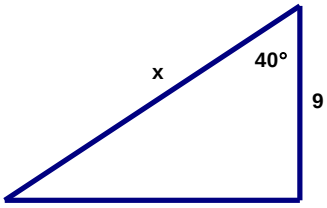
Triangle 2



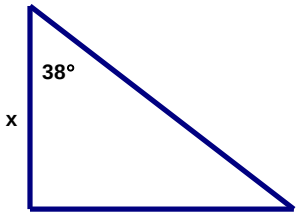
Triangle 3



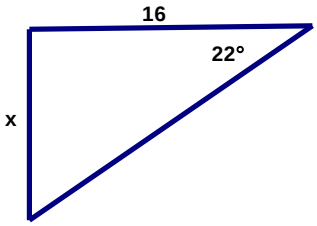
Triangle 4



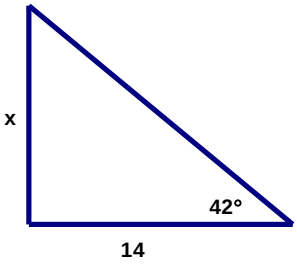
Triangle 5



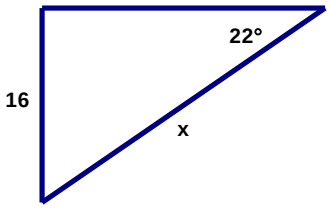
Triangle 6



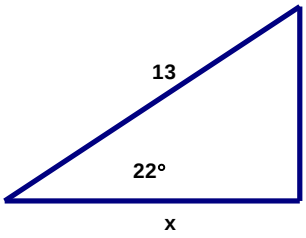
Triangle 7



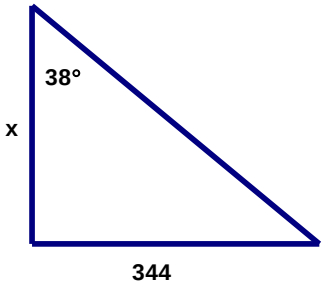
Triangle 8



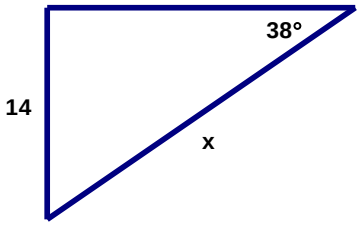
Triangle 9



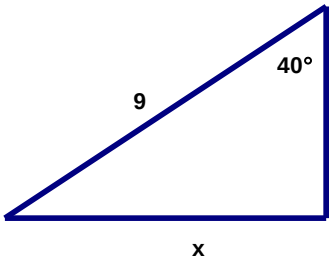
Triangle 10



Triangle 11



Triangle 12



Triangle 1 x = _____ Triangle 2 x = _____ Triangle 3 x = _____

Triangle 4 x = _____ Triangle 5 x = _____ Triangle 6 x = _____

Triangle 7 x = _____ Triangle 8 x = _____ Triangle 9 x = _____

Triangle 10 x = _____ Triangle 11 x = _____ Triangle 12 x = _____

SAT Questions
(Numbering is off to keep it consistent with my videos for Trig)

For 17-18, the following rule is to be used.
For any positive integer n, €(n) represents the number of positive divisors of n.
(For example €(10) = 4 since the positive divisors of 10 are 1, 2, 5, and 10.)

_____ 17. Which of the following is (are) true?

I. €(5) = €(7)

II. €(5) ● €(7) = €(35)

III. €(5) + €(7) = €(12)

A. I only B. II only C. I and II only D. I and III only E. I, II, and III

_____ 18. What is the value of €(€(€(12)))?

_____ 19. If $a = b^3$ and b is positive, then by what factor does a increase if b is tripled?
A. 3 B. 8 C. 9 D. 27 E. 81

_____ 20. If $20^w = 5^3 \times 4^3$, what is the value of w?