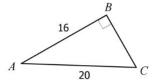
Fill in the blanks below with the word that best fits the sentence.

Sine Cosine Tangent

- 1. ______ is the ratio of the length of the side opposite the given angle to the length of the hypotenuse of a right-angled triangle.
- 2. In any right triangle, the ______ of an angle is the length of the opposite side divided by the length of the adjacent side.
- 3. ______ is the ratio of the adjacent side to the hypotenuse of a right-angled triangle.

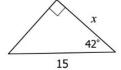
Use the triangle below. Find the missing side and then find the trig ratios for angle A. Write your answers in simplest form.



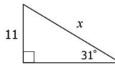
- 4. Side BC = _____
 - 5. Sin A = _____
 - 6.. Cos A = _____
 - 7. Tan A = _____

Find the value of x for each triangle. Use trig ratios or inverse of trig ratios.

8.

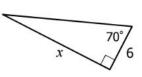


9.

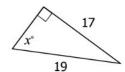


- 8. _____
- 9.

10.



11.



- 10.
 - 11. _____
- 12.Use a calculator to find the measure of the angle to the nearest degree. $\cos \cos A = 0.3222$
- 12..

13. Solve ΔABC by finding each measure indicated.

<u>Angles</u>

a = 17

$$c = 19$$