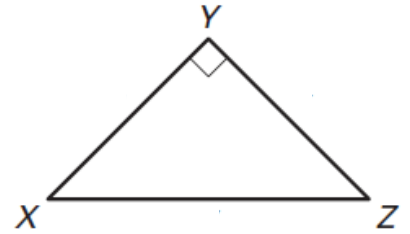


Name \_\_\_\_\_ Hour \_\_\_\_\_

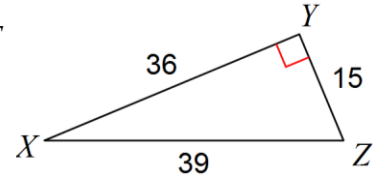
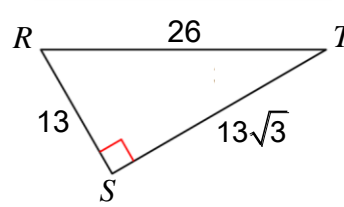
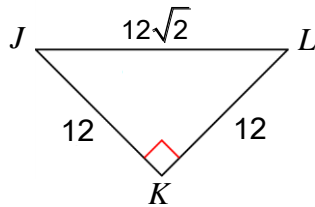
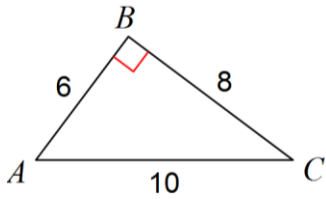
### Trigonometric Ratios #1

Use the diagram to answer the following questions.

1. What is the hypotenuse of  $\triangle XYZ$ ?
2. What side is opposite  $\angle X$ ?
3. What side is adjacent to  $\angle X$ ?
4. What side is opposite  $\angle Z$ ?
5. What side is adjacent to  $\angle Z$ ?



Use the diagrams to find the trigonometric ratio (remember to simplify if possible).



6.  $\sin \angle A$
7.  $\cos \angle A$
8.  $\tan \angle C$
9.  $\sin \angle J$
10.  $\cos \angle J$
11.  $\tan \angle L$
12.  $\sin \angle R$
13.  $\cos \angle R$
14.  $\tan \angle T$
15.  $\sin \angle X$
16.  $\cos \angle X$
17.  $\tan \angle Z$

Label the sides of the right triangle using the given reference angle (opposite, adjacent, and hypotenuse). Determine which trigonometric ratio can be used with the given information and write the equation. Find the value of  $x$ . Round decimals to the nearest hundredth.

