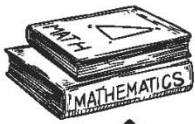


Name :

Class :



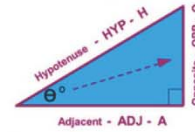
Trigonometric Ratios

SOHCAHTOA
 $\sin \theta = \frac{O}{H}$ $\cos \theta = \frac{A}{H}$ $\tan \theta = \frac{O}{A}$



Trigonometric ratios are the ratios of sides of a right-angle triangle. The most common trigonometric ratios are sine, cosine, and tangent.

Trigonometric Ratios

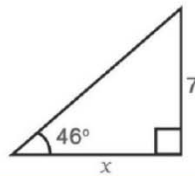


The Trigonometric names of these six Ratios are shown below:

| Name | Ratio | Expression | Name | Ratio | Expression |
|---------|-------|------------|-----------|-------|------------|
| Sine | O/H | | Cosecant | H/O | |
| Cosine | A/H | | Secant | H/A | |
| Tangent | O/A | | Cotangent | A/O | |

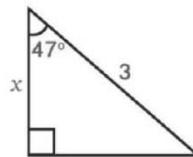
Find the missing side with trigonometric ratios. Round the nearest tenth

1



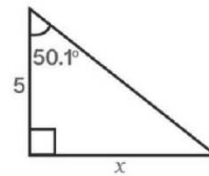
$x = \underline{\hspace{2cm}}$

2



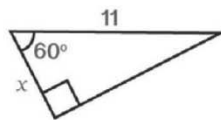
$x = \underline{\hspace{2cm}}$

3



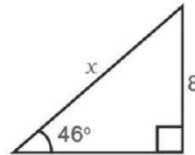
$x = \underline{\hspace{2cm}}$

4



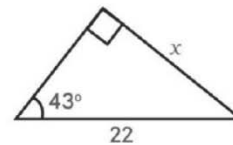
$x = \underline{\hspace{2cm}}$

5



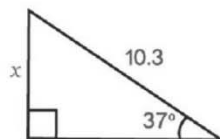
$x = \underline{\hspace{2cm}}$

6



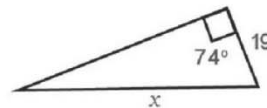
$x = \underline{\hspace{2cm}}$

7



$x = \underline{\hspace{2cm}}$

8



$x = \underline{\hspace{2cm}}$