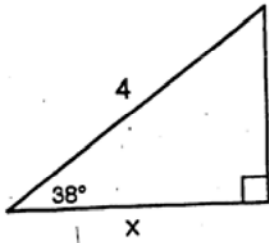


Soh Cah Toa

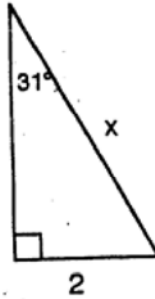
Use trigonometric ratios to solve for x in each triangle (nearest tenth).

1.



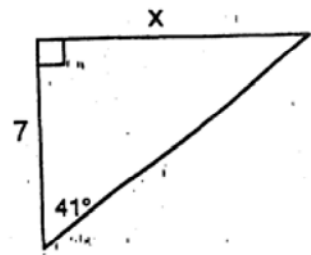
$x =$

2.



$x =$

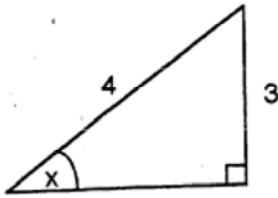
3.



$x =$

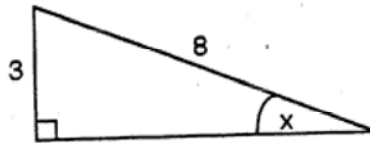
Use trigonometric ratios to solve for the missing angle (nearest degree).

4.



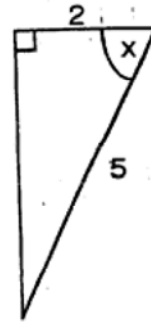
$m\angle x =$

5.



$m\angle x =$

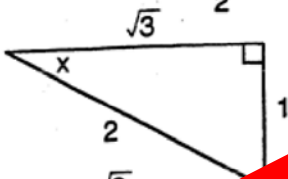
6.



$m\angle x =$

For each triangle: label the given sides (use trig ratio), find the third side using Pythagorean Theorem, and write the other two trig ratios for the given angle.

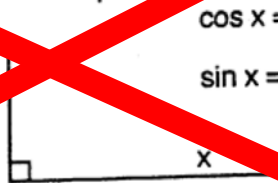
7. Example: $\sin x = \frac{1}{2}$



$\cos x = \frac{\sqrt{3}}{2}$

$\tan x =$

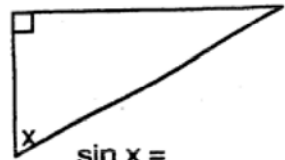
8. $\tan x = \frac{3}{4}$



$\cos x =$

$\sin x =$

9. $\cos x = \frac{2}{5}$



$\sin x =$

$\tan x =$