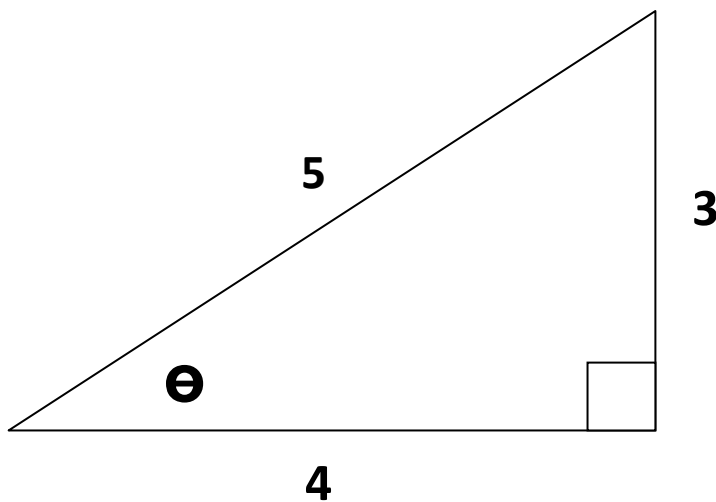




Practice with Basic Identities

Please choose the best answer to each of the following questions.



1. In the triangle above , $\cos \theta =$
.75 1.26 .46 .8
2. In the triangle above, $\cot \theta =$
1.33 .75 2 .60
3. In the triangle above, $\csc \theta =$
1.2 1 1.67 .75

4. In the triangle above, $\sec \theta = 1$

True False

5. In the triangle above, $\sin \theta = .6$

True False

6. In the triangle above, $\sin \theta = .75$

True False

7. A circle contains 360° or 2π rad. A 90° angle measures.

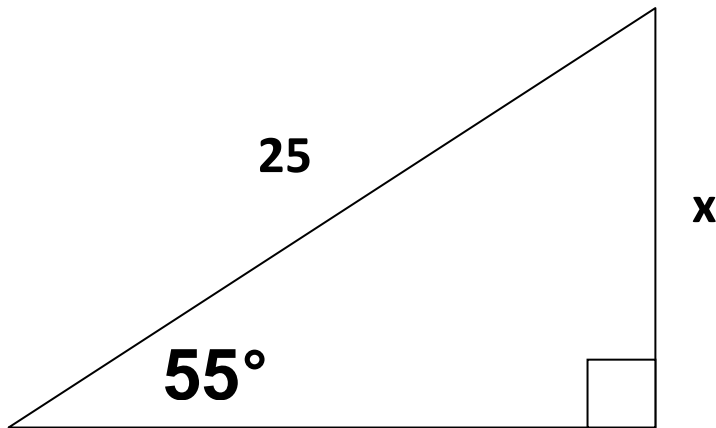
π rad

3π rad

$\frac{\pi}{2}$ rad

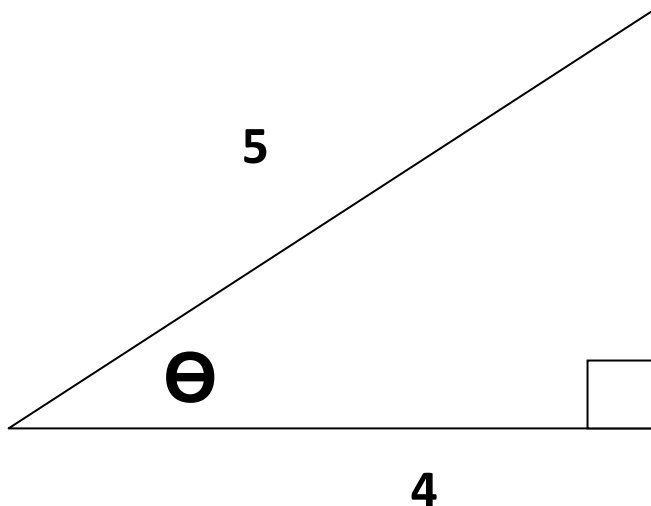
$\frac{\pi}{4}$ rad

8. The missing triangle side below measures 10.24 feet.



True
False

9. In the triangle below, to find the measure of angle θ , we need to find



$\sin \theta$
 $\sin^{-1} \theta$
 $\cos \theta$
 $\cos^{-1} \theta$

10. A film director wants to film a scene from 15 feet away from a building, with an actor standing on the roof which is 20 feet high. Which trig function must she use to calculate the correct camera angle

$\sin^{-1} \theta$ $\cos^{-1} \theta$
 $\tan^{-1} \theta$ $\sec^{-1} \theta$

