

Convert each measure from degrees to radians or from radians to degrees.

1. 240° 2. -25° 3. $\frac{5\pi}{8}$ 4. $\frac{-7\pi}{2}$

Draw an angle of rotation in standard position.

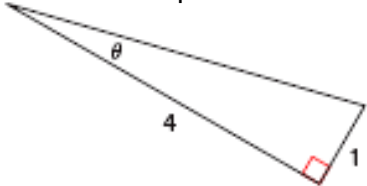
5. 135° 6. -660° 7. $\frac{11\pi}{6}$ 8. $\frac{-3\pi}{4}$

Find the measure of a positive and a negative angle that are coterminal with the given angle.

9. 600° 10. -210° 11. $\frac{2\pi}{3}$ 12. $\frac{-7\pi}{4}$

13. The pilot of a hot air balloon measures the angle of depression to a landing spot to be 36.7° . If the pilot's altitude is 1752 meters, what is the horizontal distance to the landing spot to the nearest meter?

14. Find the values of the 6 trigonometric functions of θ in simplest form.



15. Use a trigonometric function to find the value of x .

