

Practice for Q3HW4 amd Quiz4.

Date_____ Period_____

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Find a coterminal angle between 0° and 360° .

1) -150°

2) 675°

Find a coterminal angle between 0 and 2π for each given angle.

3) $\frac{5\pi}{2}$

4) $\frac{11\pi}{3}$

Find the reference angle.

5) 560°

6) -220°

7) $-\frac{49\pi}{18}$

8) $\frac{10\pi}{9}$

Convert each degree measure into radians.

9) 150°

10) 120°

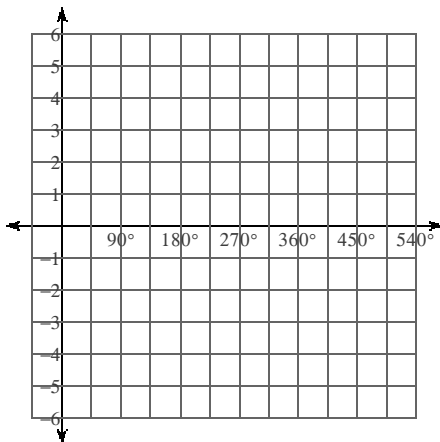
Convert each radian measure into degrees.

11) $-\frac{7\pi}{2}$

12) $-\frac{10\pi}{3}$

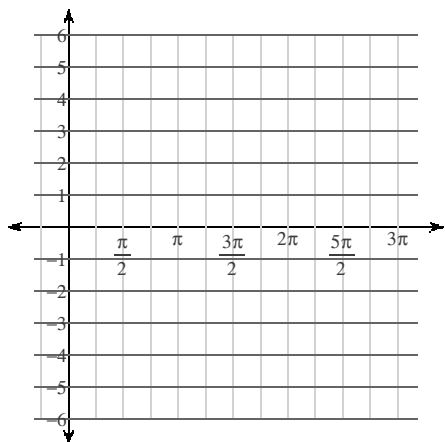
Graph each function using degrees.

13) $y = \sin q$



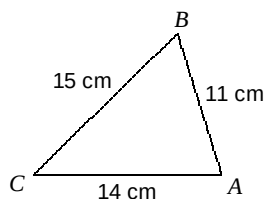
Graph each function using radians.

14) $y = \cos q$

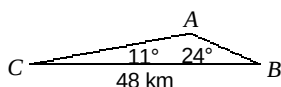


Find each measurement indicated. Round your answers to the nearest tenth.

15) Find $m\angle C$



16) Find AB



Find the exact value of each trigonometric function.

17) $\cot 480^\circ$

18) $\tan -315^\circ$

19) $\csc -270^\circ$

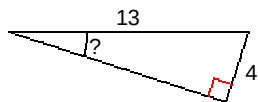
20) $\sin 420^\circ$

21) $\csc 210^\circ$

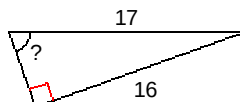
22) $\sin -360^\circ$

Find the measure of the indicated angle to the nearest degree. Tip: find ANGLE means use the inverse trig. functions.

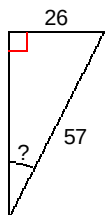
23)



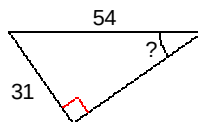
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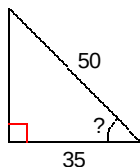
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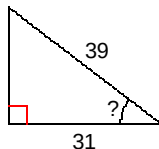
26)



27)



28)



Answers to Practice for Q3HW4 amd Quiz4.

1) 210°

2) 315°

3) $\frac{\pi}{2}$

4) $\frac{5\pi}{3}$

5) 20°

6) 40°

7) $\frac{5\pi}{18}$

8) $\frac{\pi}{9}$

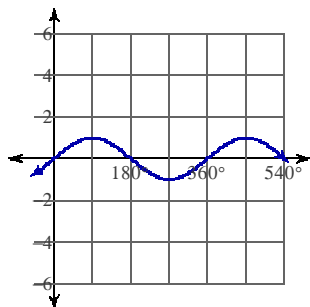
9) $\frac{5\pi}{6}$

10) $\frac{2\pi}{3}$

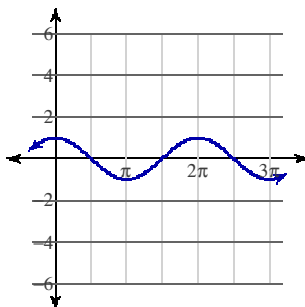
11) -630°

12) -600°

13)



14)



15) 44.4°

16) 16 km

17) $-\frac{\sqrt{3}}{3}$

18) 1

19) 1

20) $\frac{\sqrt{3}}{2}$

21) -2

22) 0

23) 18°

24) 70°

25) 27°

26) 35°

27) 46°

28) 37°