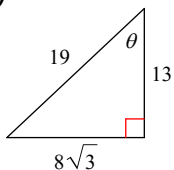


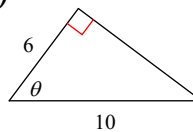
Trig Review

Find the value of the trig function indicated.

1) $\tan \theta$



2) $\sec \theta$



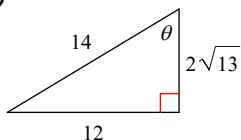
Find the value of the trig function indicated. Draw a right triangle if necessary.

3) Find $\csc \theta$ if $\cot \theta = \frac{3}{2}$

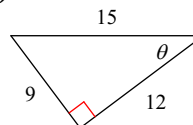
4) Find $\sec \theta$ if $\cot \theta = \frac{2}{3}$

Find the value of the trig function indicated.

5) $\cos \theta$



6) $\cos \theta$



Find the value of each. Round your answers to the nearest ten-thousandth.

7) $\sin 20^\circ$

8) $\cos 85^\circ$

9) $\cot 80^\circ$

10) $\sec 80^\circ$

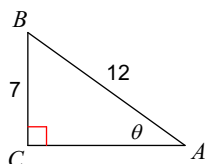
Find each angle measure to the nearest degree.

11) $\sin Y = 0.3746$

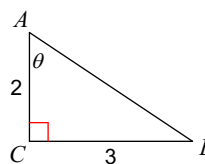
12) $\tan V = 0.5543$

Find the measure of each angle indicated. Round to the nearest tenth.

13)



14)



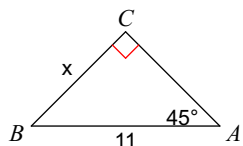
In each problem, angle C is a right angle. Find the angle indicated to the nearest tenth.

15) Find $m\angle A$ if $b = 9$, $a = 10$

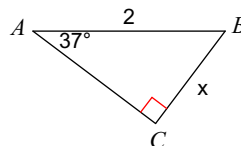
16) Find $m\angle B$ if $c = 10$, $b = 5$

Find the measure of each side indicated. Round to the nearest tenth.

17)



18)

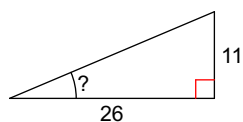


In each problem, angle C is a right angle. Find the side indicated to the nearest tenth.

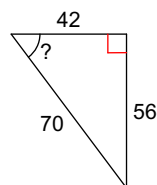
19) Find c if $a = 5$, $m\angle B = 66^\circ$

Find the measure of the indicated angle to the nearest degree.

20)



21)



Convert each degree measure into radians.

22) 820°

23) 50°

Convert each radian measure into degrees.

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

25) $\frac{\pi}{12}$

Find the exact value of each trigonometric function.

26) $\cos 210^\circ$

27) $\sin 30^\circ$

28) $\sin \frac{3\pi}{4}$

29) $\cos \frac{5\pi}{4}$

30) $\sin \frac{\pi}{3}$

31) $\sin \frac{5\pi}{6}$

Using radians, find the amplitude and period of each function. Then graph.

32) $y = 3\cos \frac{\theta}{2}$

33) $y = \sin 4\theta$

34) $y = 4\sin \left(\theta + \frac{\pi}{4} \right)$

35) $y = \cos \left(\frac{\theta}{3} + \frac{\pi}{4} \right)$

Answers to Trig Review

1) $\frac{8\sqrt{3}}{13}$

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

3) $\frac{\sqrt{13}}{2}$

4) $\frac{\sqrt{13}}{2}$

5) $\frac{\sqrt{13}}{7}$

6) $\frac{4}{5}$

7) 0.3420

8) 0.0872

9) 0.1763

10) 5.7588

11) 22°

12) 29°

13) 35.7°

14) 56.3°

15) 48°

16) 30°

17) 7.8

18) 1.2

19) 12.3

20) 23°

21) 53°

22) $\frac{41\pi}{9}$

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

24) 150°

25) 15°

26) $-\frac{\sqrt{3}}{2}$

27) $\frac{1}{2}$

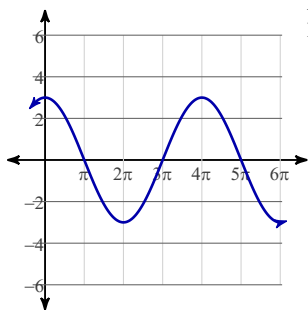
28) $\frac{\sqrt{2}}{2}$

29) $-\frac{\sqrt{2}}{2}$

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

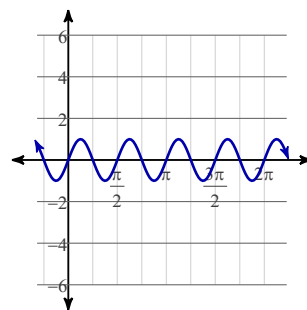
31) $\frac{1}{2}$

32)



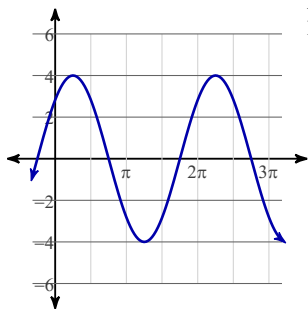
Amplitude: 3
Period: 4π

33)



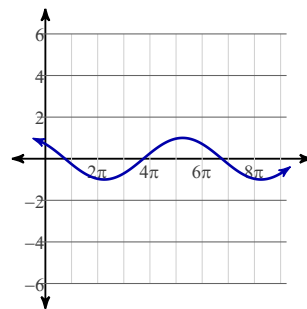
Amplitude: 1
Period: $\frac{\pi}{2}$

34)



Amplitude: 4
Period: 2π

35)



Amplitude: 1
Period: 6π