

Answers to Math-1060 Chapter 4 Review HW (ID: 1)

1) $\frac{4\sqrt{5}}{21}$

3) $\sqrt{2}$

5) $\sqrt{3}$

7) a) We graph the standard position angle.

b) We build a right triangle using the reference angle.

b) we must account for the sign (+/-) of x-y values of the quadrant in which the terminal side of the angles falls.

9) a) 51.1

b) $\frac{128.9}{8}$

c) $\frac{\sqrt{15}}{8}$

11) $\frac{67\pi}{36}$

13) 670° and -50°

15) $\frac{20\pi}{3}$ yd

17) 157.7 mph

19) a) $\frac{23\pi}{15}$ radians per second

21) 41.1°

b) $\frac{46\pi}{5}$ ft/sec

23) Two triangles

25) None

27) 54°

29) 51.1 ft^2