Find the five remaining trig functions

1. $\sec\theta = \frac{5}{2}$

Find the five remaining trig functions

1. $\sin\theta = \frac{4}{\sqrt{21}}$

Find the value using your calculator and then draw the triangle represented by the trig function.

5. $\cos(190^\circ) =$

6. $\cot(346^\circ) =$

Solve the right Triangle ABC for all of its unknown parts.
Assume C is the right angle

1. $\alpha = 15^\circ \qquad a = 10$

2. $\beta = 50^\circ \qquad c = 12$

Find the six trig functions given a point

2. P(3, -7)

Find the exact value of each of the remaining trigonometric functions.

3. $\sin\theta = \frac{2}{5} \quad \tan\theta < 0$

4. $\cos\theta = \frac{-\sqrt{2}}{5} \qquad \frac{\pi}{2} < \theta < \pi$

Find the value using your calculator and then draw the triangle represented by the trig function.

5. $\sin^{-1}(.265) =$

6. $\cos^{-1}(-.265) =$

Solve the equation using your calculator give answers between $0 \leq \theta \leq 360$

$$7.\ \cos(\theta) = .636$$

Find the exact value of the expression

8. $\cos\left(495^\circ\right)=$

9. $\sin\left(540\right)=$

10. $\tan\left(420^\circ\right)=$

Find the exact value of the expression

11. $\cos^{-1}\left(\frac{-\sqrt{3}}{2}\right) =$

12. $\sin^{-1}\left(\frac{-\sqrt{2}}{2}\right) =$

13. $\tan^{-1}(1) =$

Solve the equation between

$$0 \le \theta < 360^\circ$$

14. $\sin\theta = \dfrac{\sqrt{2}}{2}$

15. $\cos(\theta) = \dfrac{-1}{2}$

16. $\tan(\theta) = \dfrac{-1}{\sqrt{3}}$

17. $\sin(\theta) = -0.321$

Solve the equation between

$$0 \le \theta < 2\pi$$

14. $\sin(2\theta) = \frac{\sqrt{2}}{2}$

15. $\cos(3\theta) = \frac{1}{2}$

16. $\cos(4\theta) = \frac{-1}{2}$

17. $\sin(6\theta) = \frac{\sqrt{3}}{2}$

Solve the equation between

$$0 \le \theta < 2\pi$$

14. $\sin(2\theta) = \frac{\sqrt{2}}{2}$

15. $\cos(2\theta) = \frac{1}{2}$

16. $\sin\left(\frac{\theta}{2}\right) = 1$

Solve the equation between $0 \le \theta < 2\pi$

17. $5\csc(\theta) + 4 = 9$

18. $\sin^2(\theta) - 2\sin\theta + 1 = 0$

19. $\sin^2(\theta) - 2\sin\theta = 0$