

1. What is the **terminal point** for the value  $t = \frac{5\pi}{4}$  ?
2. Write an exact value for each:
  - a)  $\cos\left(\frac{13\pi}{4}\right)$
  - b)  $\sin\left(-\frac{5\pi}{3}\right)$
  - c)  $\cos\left(\frac{7\pi}{6}\right)$
  - d)  $\csc\left(\frac{5\pi}{2}\right)$
  - e)  $\tan\left(-\frac{\pi}{3}\right)$
  - f)  $\sec\left(-\frac{11\pi}{6}\right)$
3. If the point  $P\left(-\frac{2}{5}, y\right)$  is on the unit circle and is located in Quadrant III, find the value of  $y$ . Show work.
4. Write the six trigonometric ratios for the  $t$ -value whose terminal point is the point  $P$  from problem #3.
5. What is the exact **reference number** for  $\frac{11\pi}{5}$  ?

# Gradpoint Trigonometry Chapter 5 Post Test Answers

**D Keegan**



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