

Practice: Key Features of Trigonometric Functions**A**

For problems 1 and 2, use only your knowledge of angle measures and the unit circle to determine the quadrant for each radian angle measure. Do not use a calculator.

1. $\frac{35\pi}{4}$

2. $-\frac{13\pi}{3}$

For problems 3 and 4, evaluate $f(x) = -5 \sin [\pi(x - 2)] + 3$ at the given value without using a calculator.

3. $f(5.25)$

4. $f\left(-\frac{13}{3}\right)$

Complete problem 5 without using a calculator.

5. List the first four positive values of t for which $2\cos\left(\frac{\pi t}{3}\right) = 1$.

continued

