1. Write the equation of this function.
The window is 0 to 7π.
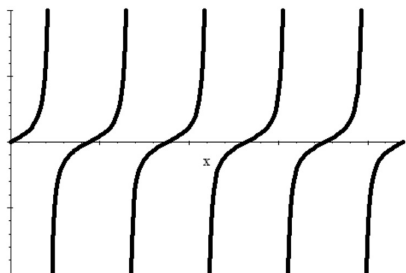
Find the exact value of each.

2. $\text{Tan}\dfrac{19\pi}{6}$

3. $\text{Cos}(-1050^\circ)$

4. $\text{Sin}42\pi$

5. $\text{Tan}\dfrac{47\pi}{4}$

Rationalize each denominator.

6. $\dfrac{18m}{\sqrt[4]{3m^2n^3p}}$

7. $\dfrac{12}{5-\sqrt{7}}$

8. Solve. $\sqrt{34 - x} + 4 = x$

9. What percent change does each exponential function represent?

a. $y = 927(0.9013)^x$

b. $y = 5(1.04102)^x$

10. Match each equation with its graph.

D a) $y = 3(2.5)^x$ **B** b) $y = 5(0.4)^x$ **C** c) $y = 3(6)^x$

A d) $5(0.82)^x$ **E** e) $y = (2.5)^x$