Lesson 4.3 Practice: Amplitude and Period

School Launch · Trigonometry · Unit 4: Graphs of the Trigonometric Functions · Worksheet A

Scientific calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. For $y = 4\cos(x)$, give the amplitude, period. EASY

2. For $y = 6\sin(2x)$, give the amplitude, period. EASY

3. For $y = 5\cos(3x)$, give the amplitude, period. EASY

4. For $y = \cos(4x)$, give the amplitude, period.

MEDIUM

5. For $y = 4\cos(4x)$, give the amplitude, period.

MEDIUM

6. For $y = 3\cos\left(\frac{1}{2}x\right)$, give the amplitude, period.

MEDIUM

7. For $y = 2\cos(4x)$, give the amplitude, period.

MEDIUM

8. For $y = 5\cos(x)$, give the amplitude, period. HARD

9. For $y = 5\sin(4x)$, give the amplitude, period. HARD

10. For $y = 5\cos\left(\frac{1}{2}x\right)$, give the amplitude, period.

HARD