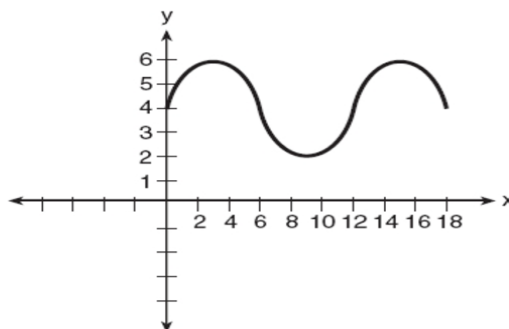


Name: _____

- 1 What is the amplitude of the function shown in the accompanying graph?

010715b



- (1) 1.5 (3) 6
(2) 2 (4) 12

- 2 What is the amplitude of the function $y = \frac{2}{3}\sin 4x$?

060403b

- (1) $\frac{\pi}{2}$ (3) 3π
(2) $\frac{2}{3}$ (4) 4

- 3 A monitor displays the graph $y = 3\sin 5x$. What will be the amplitude after a dilation of 2?

010301b

- (1) 5 (3) 7
(2) 6 (4) 10

- 4 The path traveled by a roller coaster is modeled by the equation $y = 27\sin 13x + 30$. What is the maximum altitude of the roller coaster?

080419b

- (1) 13 (3) 30
(2) 27 (4) 57

- 5 If $f(x) = 2\sin 3x + C$, then the maximum value of $f(x)$ is:

fall9919b

- (1) C (3) C + 3
(2) C + 2 (4) C + 6