

## Comprehensive Review #3

Topics:

Lesson 32 - Inverse Trig Functions

Lesson 41 - Reciprocal Trig Functions

Lesson 48 - Powers of Trig Functions

Lesson 66 - Phase Shifts and Period Changes

[1] [A] \_\_\_\_\_

[2] [C] \_\_\_\_\_

[3] [C] \_\_\_\_\_

[4]  $\sqrt{3}$  \_\_\_\_\_

[5]  $\frac{\sqrt{3}}{3}$  \_\_\_\_\_

[6]  $-3$  \_\_\_\_\_

[7]  $-\frac{11}{4}$  \_\_\_\_\_

[8] [C] \_\_\_\_\_

[9] [D] \_\_\_\_\_

[10] [A] \_\_\_\_\_

[11] [B] \_\_\_\_\_

[12] [A] \_\_\_\_\_

[13]  $y = -3 - 4 \sin\left(x + \frac{\pi}{6}\right)$  \_\_\_\_\_

[14]  $y = 3 - 8 \cos\left(x + \frac{\pi}{6}\right)$  \_\_\_\_\_

[15] [B] \_\_\_\_\_

[16] [D] \_\_\_\_\_