

Name: _____

Sine/Cosine Graphing Worksheet

Chap: 4 Assign: 13 ic

On a separate sheet of paper, graph each of the following sine and cosine functions. Make sure to label all appropriate points.

1. $y = \cos x$

2. $y = \sin x$

3. $y = 5 \cos x$

4. $y = -200 \sin x$

5. $y = \cos x + 2$

6. $y = \sin x - 3$

7. $y = \cos\left(x - \frac{\pi}{2}\right)$

8. $y = \sin\left(x + \frac{\pi}{3}\right)$

9. $y = \cos\left(2x - \frac{\pi}{3}\right)$

10. $y = \sin\left(3x - \frac{\pi}{4}\right)$

11. $y = 40 \cos(.1x - \pi)$

12. $y = .1 \sin(5x + \pi)$

13. $y = \sin\left(x + \frac{\pi}{3}\right) + 2$

14. $y = \cos\left(x - \frac{\pi}{2}\right) - 3$

15. $y = \sin\left(3x - \frac{\pi}{4}\right) + 4$

Extra Credit: Write the equation for each graph below

A.

B.

