

Unit 5.4 Handout

State the amplitude period, phase shift and vertical shift for each function, then graph each function:

1. $y = 3 \sin(10x - 30) - 2$

2. $y = -2 \cos(-45x - 180) + 1$

3. $y = \frac{3}{2} \cos\left(\frac{1}{2}x + 90\right) + 2$

4. $y = -4 \sin\left(\frac{3}{2}x + 60\right)$

