

# HW Graphing Trig Functions

Name: \_\_\_\_\_

Period: \_\_\_\_ Date: \_\_\_\_\_

Complete the following table:

FUNCTION	AMPLITUDE	PERIOD	VERTICAL SHIFT	HORIZONTAL SHIFT
1. $y = -2\sin(x)$				
2. $y = 3\cos(x + \frac{\pi}{2})$				
3. $y = 4 + \tan(x)$				
4. $y = -\frac{1}{3}\sin(x - \pi)$				
5. $y = -\sin(\frac{1}{2}x - \frac{\pi}{2})$				
6. $y = \cot(x + \frac{\pi}{2})$				
7. $y = 2 - 3\sin(x - 2)$				
8. $y = -3\cos(2x)$				
9. $y = \csc(x + 2) - 5$				
10. $y = -2 + \tan(x - 3)$				

In general:

11. The following graphs have a standard period of  $\pi$ : \_\_\_\_\_.

12. The following graphs have a standard period of  $2\pi$ : \_\_\_\_\_.

13. Which of the trig graphs have amplitude? \_\_\_\_\_.

14. Which of the trig graphs don't have an amplitude? \_\_\_\_\_.

15. Which of the trig graphs have asymptotes? \_\_\_\_\_.