Accel. PreCalc. Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Writing Trig Functions Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per \_\_\_\_

For #1-6, write the equation of the following sine curves.

1.

2.

3.



4.



5.



6.

For #7-10, write the equation of the following cosine curves.



7.



8.



9.



10.

For #11-13, write the equation of the following tangent functions.



11. 12.



13.

Answer Key

1. $y=3\sin(x)$

2. $y=\sin(x-2)$

3. $y=3\sin(2x)$

4. $y=2-3\sin(\left(\frac{1}{2}x\right))$

5. $y=-4\sin(\left(\frac{1}{4}x\right)+2)$

6. $y=2\sin(2x+1)$

7. $y=-\cos(\left(\frac{1}{3}x\right)-1)$

8. $y=\cos(4x)$

9. $y=\cos(\frac{1}{4}x+2)$

10. $y=2\cos(x-3)$

11. $y=4\tan(x+1)$

12. $y=\frac{1}{2}\tan(\left(x+\frac{π}{2}\right))$

13. $y=\tan(\frac{1}{3}x-2)$