Intro to Calculus Assignment: Sections 4.5-4.6 Name_____

Set up a table of values for two periods of the following functions. Identify a, b, c, and d for each. Also, calculate the period for each. If applicable, calculate the graph's amplitude.

1. y = 3 sin (2x $-\frac{\pi}{3}$) + 1

2. y = cos (4x + π) $-$ 3

3. y = -2 tan (2x)

4. **y =** $\frac{1}{3}tan\,(\frac{1}{3}x)$

5. **y = cot (x** $-\frac{\pi}{4}$ **)** -1

6. **y = 3 cot (x** $-\frac{\pi}{2}$ **)** -2

Set up a table of values for only ONE period of the following functions. Identify a, b, c, and d for each. Also, calculate the period for each. If applicable, calculate the graph's amplitude.

7. y = $\frac{1}{2}$ **csc (2x +** π).

8. y = 2 sec (x $-\pi$ **)** $-$ **3**

9. y = $-\csc\left(2x-\frac{\pi}{6}\right)$

10. y = 3 sec (x $-\frac{\pi}{2}$)+ 1