ALGEBRA 2 – GRAPHING TRIG FUNCTIONS

*Graph one complete period of each of the following trig functions. Be sure to label all x and y axes*.

1. $y=4sin5x$ 2. $y=3sin\frac{ϴ}{2}$ 3. $y=-2cos4x$

4. $y=2cos2x$ 5. $y=tan3x$ 6. $y=2tan\frac{π}{4}x$

7. Graph $y=sin⁡(x)$ and $y=\sin(\left(x\right))+2$ in your calculator using the following window: Xmin: 0
 Xmax: 2$π$
 Ymin: -2
 Ymax: 3

Describe the transformation from the parent function.

 8. Using your knowledge of transformations, how do you think the graphs of $y=sin⁡(x)$ and $y=\sin(\left(x+π\right))$ would compare?