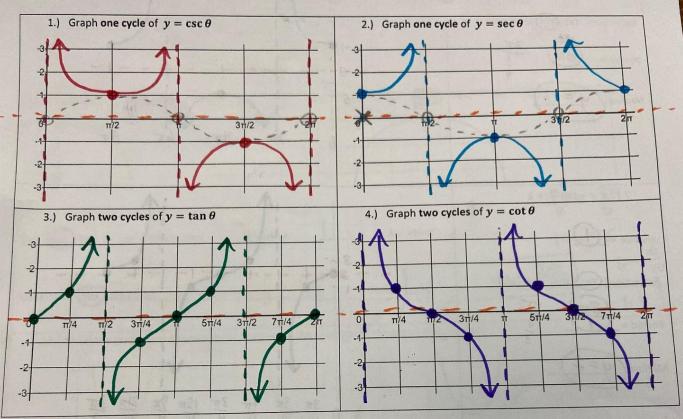
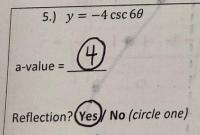
UNIT Review 4.4 Graphing Recip. Trig. Functions and Tangent

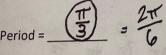
I. Basics:



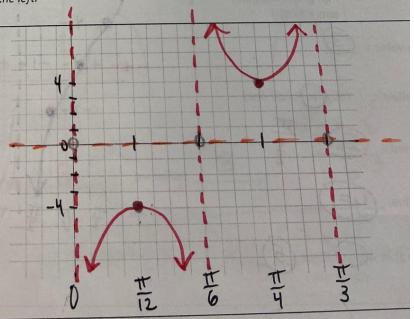
II. Graphing:

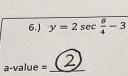
Find all the unknowns. Then set the x and y axis up for each graph and label accurately with simplified units. Then <u>plot at least one</u> <u>cycle</u> if it is a sec or csc function, and <u>two cycles</u> if it is a tan or cot function. Also, draw the midline on your graphs. Write the x-axis labels below the coordinate grids and y-axis labels to the left.





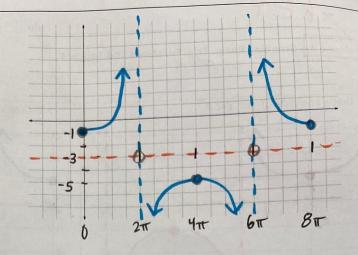
Midline: y=0





Reflection? Yes (No)(circle one)

Period =
$$3\pi$$
 $\frac{2\pi}{1}$

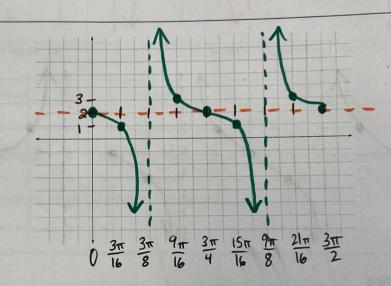


7.)
$$y = -\tan\frac{4\theta}{3} + 2$$

Reflection? (Yes) No (circle one)

Period =
$$\frac{3\pi}{4}$$
 $\frac{11}{4}$ $\frac{1}{3}$

Midline:
$$y=2$$



8.)
$$y = 3\cot \frac{1}{2}(\theta + \frac{5\pi}{4}) + 1$$
• Plot graph using the

entire grid!!!

Reflection? Yes (No (circle one)

Period =
$$2\pi$$
 $\frac{\pi}{2}$

Midline:
$$y=1$$

Phase Shift is Left Right (circle one)

