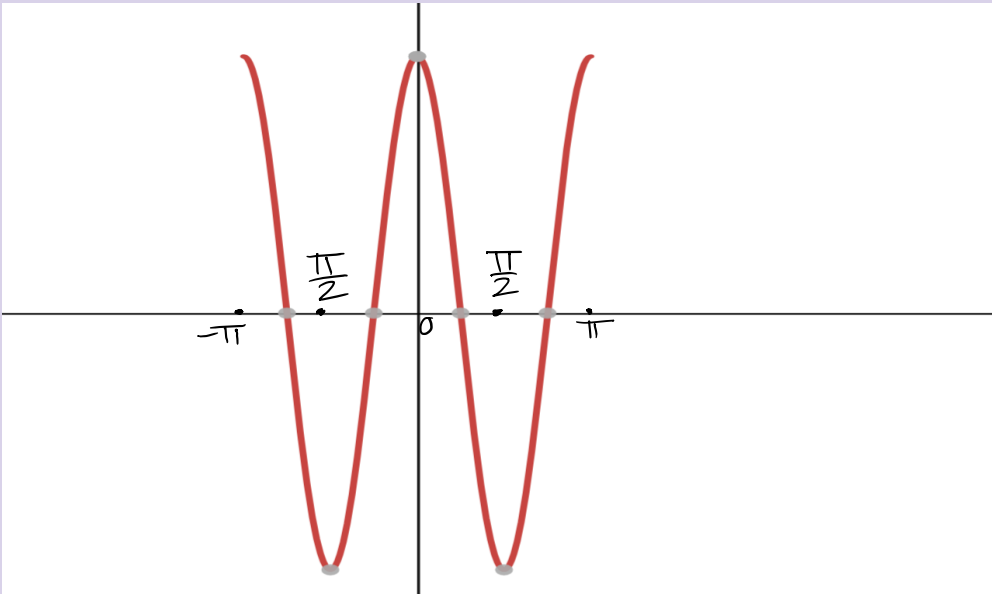


Criteria: (Describe here anything you will do to evaluate either the students' understanding or the effectiveness of this activity/ lesson.)

Students will answer the below question:

Write the equation of the given graph of the form $y = a \sin bx$ or $y = a \cos bx$ where $b > 0$



Activity: Created in Desmos by the instructor for Trigonometry and Pre-Calculus students.

<https://www.desmos.com/calculator/bbr1h3quf7>

In this activity, students should play with the a and b values and recognize the behavior of the graph of the function and write four different equations of the trigonometry function graphs in the form $y = _ \cos _ x$ where $b > 0$