PreCalculus/Calc A Summer Assignment DUE: First Day of School

Directions: Please complete both parts of the summer assignment and be prepared to turn them in on the first day of school. For the Delta Math section, please do your work on a separate sheet of graph paper, organized by topic, to turn in. All problems are designed to be done without your calculator. Within the first weeks of school, there will be a quiz on this material.

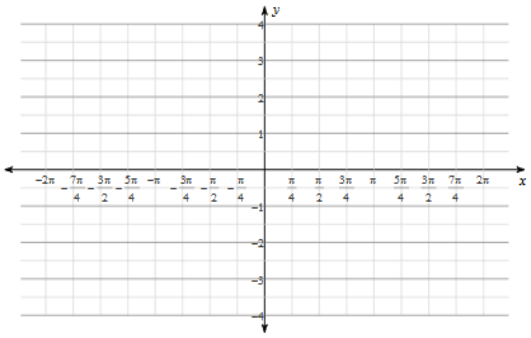
Part 1: Delta Math

Please go to deltamath.com and create an account with your school credentials. Use the join code provided via email by your Calculus AB teacher to gain access to this part of the summer assignment. Expect to receive an email from your teacher in early July. Be sure to do your work on a separate sheet of graph paper, organized by topic, to turn in. Please make sure you write down the original problem.

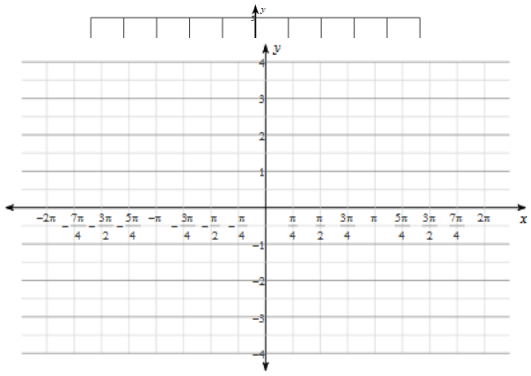
Part 2: Graphing

Graph each of the following functions. Plot as many points as possible and show any necessary work. Check your answers by graphing in your calculator.

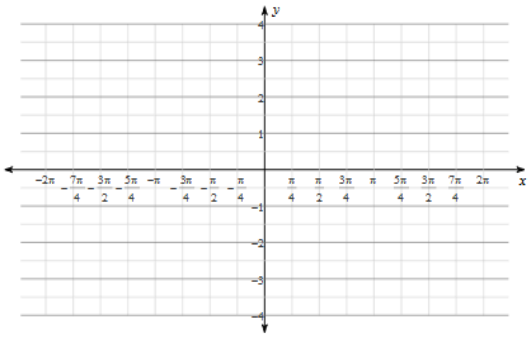
1. $y = cos\theta$



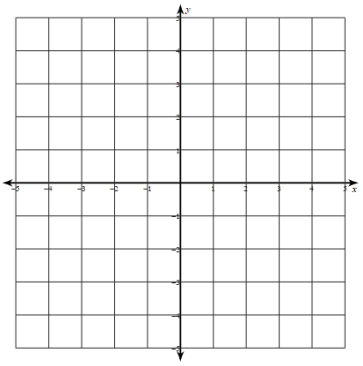
2. $y = tan\theta$

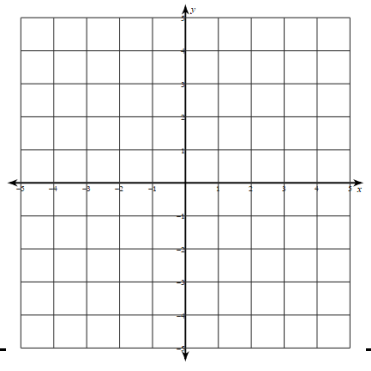


3. $y = sin\theta$

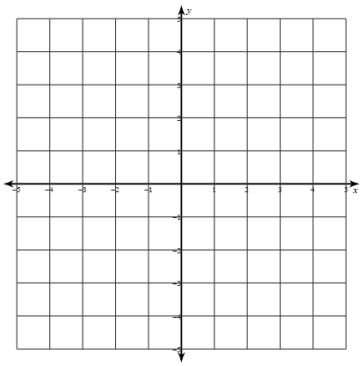


4. $y = x^{2/3}$ (same as: $y = \sqrt[3]{x^2}$)



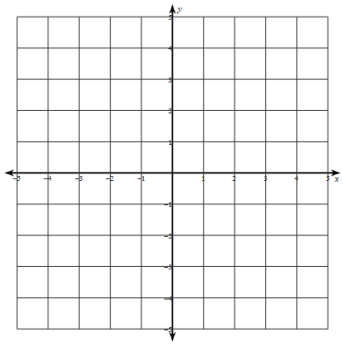


5. $y = \sqrt[3]{x}$

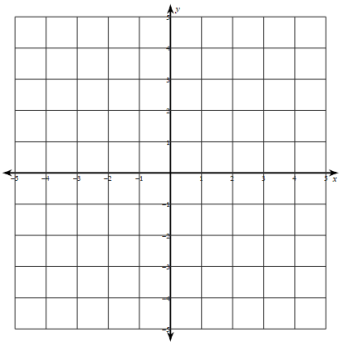


6. $y = \sqrt{2}$

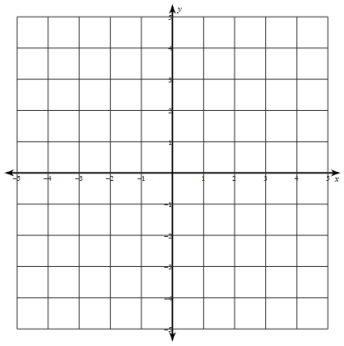
7. $y = \frac{1}{x-3} + 2$



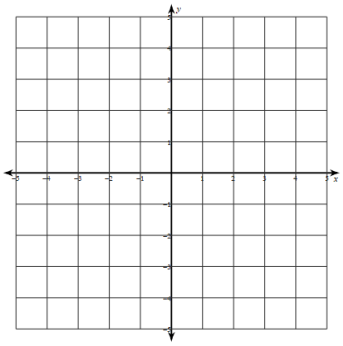
8. $y = \ln ln\,(x)$



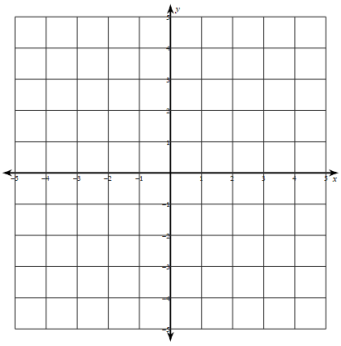
9. $y = e^{-x}$

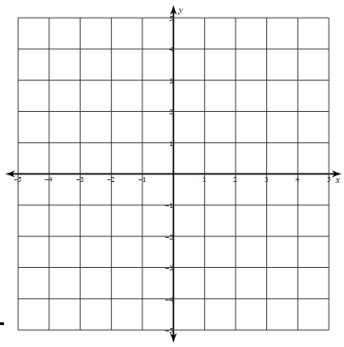


10. $y = 2x^2 - 12x + 14$

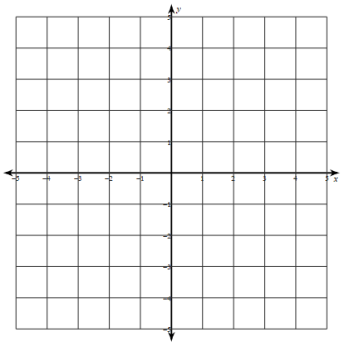


11. $y = \frac{1}{2}(x - 2)^2 - 5$

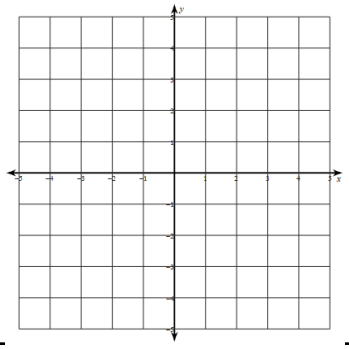




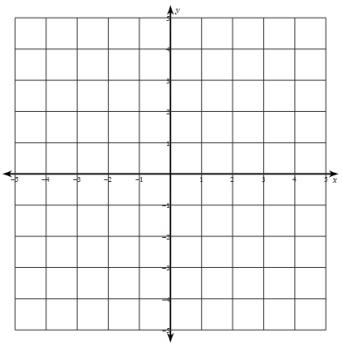
12. $y = -2|x + 3| - 4$



13. $y = 3$



14. $x = 1$



15. $7x - 2y = 4$

16. $y = -\frac{3}{4}x + 5$