Name:_____ Student ID#: _____

Graph Review (http://goo.gl/rTQmcL)
Essential Academic Skill Enhancement (EASE) workshop series

This workshop reviews the basics of algebra through pre-calculus to help prepare you for college calculus.
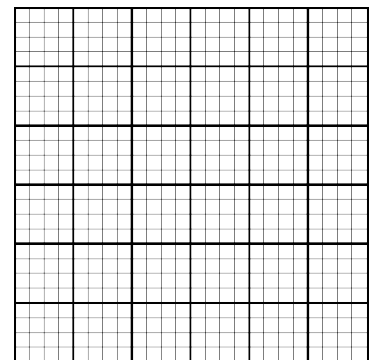
We will discuss:
- Graphing
  - Lines
  - Quadratics
  - Domain & Range
  - Exponential Functions
  - Trigonometry
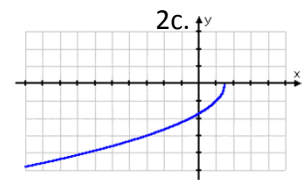
SURVEY

http://goo.gl/4AD3OC

Assessment Set 1:

1. Lines: Write the equation for a line through (-2, 1) and (4, -7)

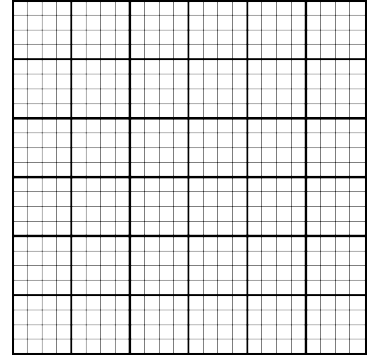2. Quadratics: Find the vertex and intercepts, then graph: $y = x^2 - x - 12$

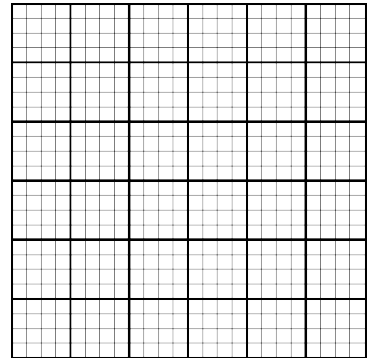3. Domain & Range: Find the domain and range of: $y = -\sqrt{-2x + 3}$

2c.

Name:_____ Student ID#: _____

4. Exponential Functions: Evaluate and graph: $f(x) = 2^x + 4$, at x = -3, -2, -1, 0, 1, 2, and 3.
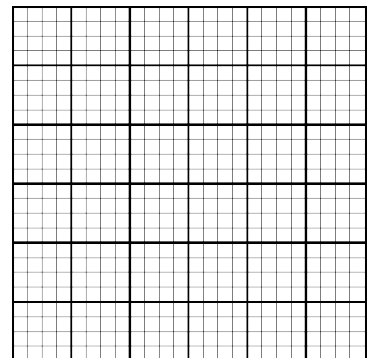
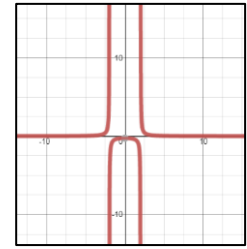5. Trigonometry: Graph two periods of: $y = 3\sin(2x - \pi) - 1$

Assessment Set 2:

6. Lines: What is the correct slope and equation for a line that passes through (-2, 7) and (4, -2)?

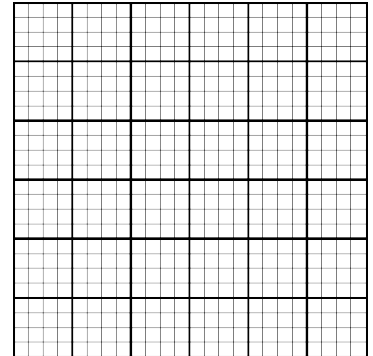7. Quadratics: Find the vertex and intercepts, then graph: $y = 4x^2$

Name:_____ Student ID#: _____

8. Domain & Range: Find the domain and range of: $y = 1/x^2 - 4$

9. Exponential Functions: Evaluate and graph: $f(x) = 5^{x-2} - 3$, at x = -3, -1, 0, 1, 2, 3, 3.5.

10. Trigonometry: Graph two periods of: $y = -4 \cos\left(-3x + \frac{5\pi}{6}\right) + 2$