Monday: Grugdeball Review

Tuesday: Review Game (TBD)

Wednesday: Summative Assessment

Turn in Unit 1, Unit 2 and Summative Review

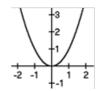
~~~~~~FALL BREAK~~~~~~

Tuesday and Wednesday: Corrections for Summative Assessment and Formative 3

Retakes

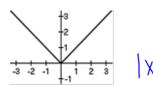
Wednesday: End of Term 1

Write the parent function:





Write the parent function:

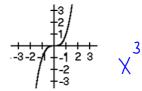


Write the parent function:



Y

Write the parent function:



List the transformations:

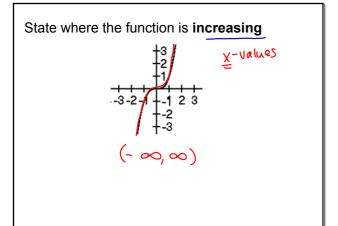
$$f(x) = (x-3)^{2}$$
Shift Right 3
Shift Down 4

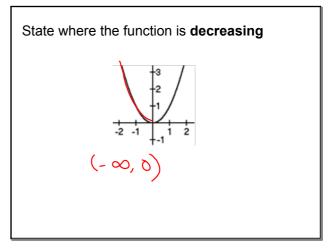
List the transformations:

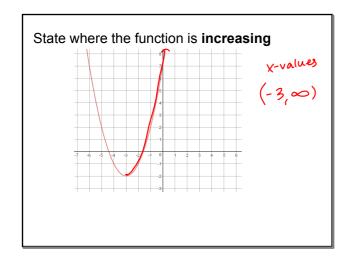
$$f(x) = |x+3|$$
  
V. Flip  
Shift Left 3

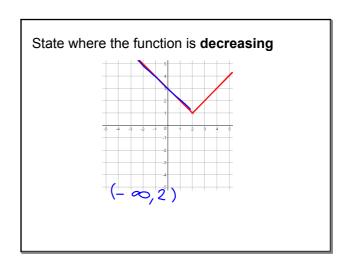
List the transformations:

$$f(x) = 4\sqrt[3]{x+2}$$
V. Stretch by 4
Shift Up 2









State the **x-intercept**

$$g(x) = \sqrt{x+1} - 2$$

$$0 = \sqrt{x+1} - 2$$

$$2 = \sqrt{x+1}$$

$$4 = x+1$$

$$3 = x$$

$$(3,0)$$

State the **y-intercept**

$$h(x) = 2(x-3)^{2} + 1$$

$$2(0-3)^{2} + 1$$

$$2(9) + 1$$

$$8 + 1$$

$$19$$

Perform the operation and write in standard form

$$(82x^{8} + 21x^{2} - 6) + (18x + 7x^{8} - 42x^{2} + 3)$$

$$89x^{8} - 2(x^{2} + 18x - 3)$$

Perform the operation and write in standard form

$$(-2x) + 23x^{5} + 11) + (5 + 9x^{3} + x)$$

$$23x^{5} + 9x^{3} - 3x + 6$$

Perform the operation and write in standard form

$$10x^{2}$$
  $+ 4$   $- (5x) + 7 + (6x + 11)$   
 $10x^{2}$   $- |4$ 

Perform the operation and write in standard form

$$(x-2)(x^2-3x+4)$$

Perform the operation and write in standard form

$$(x^4+3x^3-7x+5)\div(x^2-2)$$

Perform the operation and write in standard form

$$(x^4 - 7x^2 + 3x - 10) \div (x - 3)$$

Factor 
$$x^2 + 3$$

$$x^{2} + 5x - 14$$
 $(x+7)(x-2)$ 

Factor

$$3x^2 - 10x - 8$$

Factor

$$2x^2 + x - 6$$

Factor

$$2x^2 - 18$$

Factor

$$2x^3 - 6x^2 - 8x + 24$$

Factor

$$8x^3 - 125$$

Factor

$$x^3 + 64$$

Find the zeros and the multiplicities:

$$f(x) = (x-5)^2(x+3)^5(x+7)$$

Find the zeros and the multiplicities:

$$f(x) = -x^3(x+4)^4$$

Determine the End Behavior

$$f(x) = -3x^4 + 2x^3 + 6x - 4$$

Determine the End Behavior

$$f(x) = x^3 + 2x^2 - 7x - 13$$

Determine the End Behavior

$$f(x) = (x-1)^2(x+2)(x+4)$$

Determine the End Behavior

$$f(x) = -x^3(x+4)^4$$

Determine the End Behavior

$$f(x) = -x(x+2)^{2}(x-5)^{2}(x-7)$$

Determine the **zeros** and **type of intersection** for each zero.

$$f(x) = -x(x+2)^2(x-5)^2(x-7)$$

Determine the **zeros** and **type of intersection** for each zero.

$$f(x) = (x-5)^2(x+3)^5(x+7)$$

Determine the **zeros** and **type of intersection** for each zero.

$$f(x) = -x^3(x+4)^4$$

Determine the **zeros** and **type of intersection** for each zero.

$$f(x) = (x-1)^2(x+2)(x+4)$$

Solve the inequality:

$$-(x+1)(x-3)^2 \ge 0$$

Solve the inequality:

$$(x-2)(x-5)^3(x+3) < 0$$