

Mrs. Bledsoe 2nd & 5th
MU Precalc.
MTH132

Mrs. Bledsoe – Plans for Home Instruction for March 19 – 27, 2020

MU Precalculus/MTH 132: 2nd & 5th Periods

[We will continue the homework listed in the syllabus]

Thursday, March 19, 2020: "HW 2" – Be finishing it up!

Friday, March 20, 2020: "HW 2" – Be finishing it up!

Monday, March 23, 2020: "HW3" 3.1 # 9, 13, 25, 29

Tuesday, March 24, 2020: 3.2 # 5, 7, 9, 11, 13, 15, 17, 19

Wednesday, March 25, 2020: 3.3 # 17, 21, 29, 53

Thursday, March 26, 2020: REVIEW FOR TEST 3

Friday, March 27, 2020: TEST (2.1 – 3.3) **TEST DIRECTIONS:** Work alone with your calculator, notes, and book only. Write your work on a separate sheet and attach it when finished. Write all final answers on the back of the test sheet. **GOOD LUCK!**

Announcement: I will replace your lowest test score with your final exam score if it is higher than the lowest test score and we do give finals.

Signed: *Mrs. Melissa Bledsoe*

If students have time and want to work ahead the following will be the next week's set of assignments:

3.4 #13, 29, 45, 49

3.5 #37, 47, 29, 51, 53, 55, 57, 59

3.6 #31, 35, 43, 57

3.7 # 5, 11, 19, 23

4.1 #11, 21, 27, 31

4.2 #3, 5, 7, 9, 11, 13, 15, 27

4.3 #27, 37, 51

4.4 #33, 37, 51, 55

4.5 #21, 35, 49, 59

Please do the best you can on these assignments. I hope you are not overwhelmed and that you do not get sick. Any messages via Livegrades or email are welcomed and encouraged. My school email is mbledsoe@k12.wv.us. I know this transition is a bit difficult and you may need help so I will be watching for questions and trying to provide assistance as much as possible.

Remember to take some breaks and relax after you have a plan on how to keep up with the work assigned and know how much break time you have. Don't procrastinate. Be responsible. Be safe.

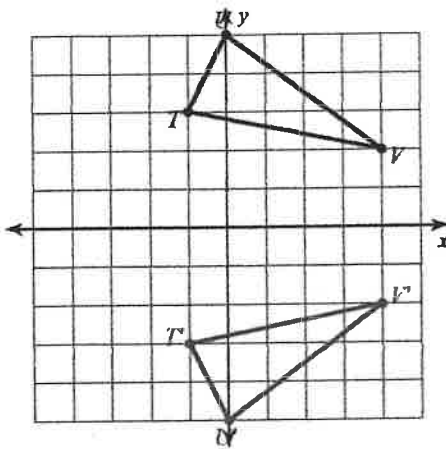
Sincerely,

Mrs. Melissa Bledsoe

REVIEW for Test 3 During Home Instruction Date 3/27/2020 2nd & 5th Periods

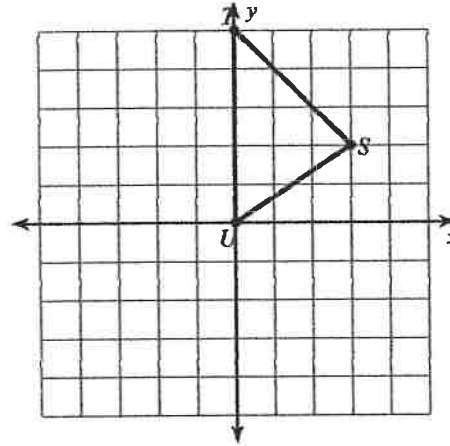
Write a rule to describe each transformation.

1)



Graph the image of the figure using the transformation given.

2) translation: 3 units left and 2 units down



Identify the domain and range of each.

3) $y = \sqrt[3]{x} - 1$

4) $y = 2 + \sqrt{x+5}$

Perform the indicated operation.

5) $g(n) = 3n - 5$
 $h(n) = -n^2 - n$
 Find $(g \circ h)(2)$

6) $h(n) = 2n - 3$
 $g(n) = 3n - 3$
 Find $h(5) \div g(5)$

Describe the end behavior of each function.

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

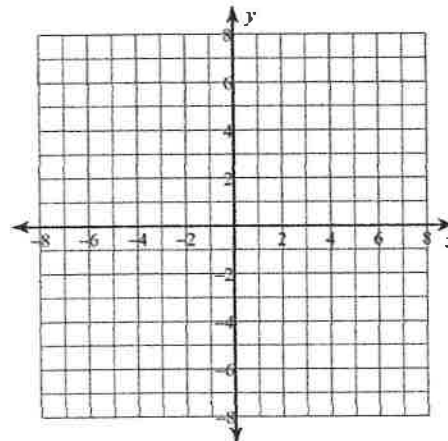
8) $f(x) = x^4 - x^2$

Find the inverse of each function.

9) $g(x) = \sqrt[3]{x} + 3$

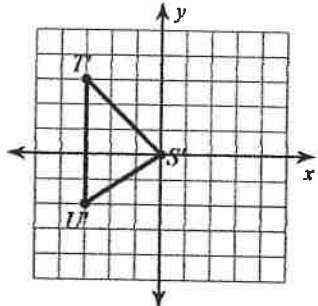
Sketch the graph of each function. Approximate the relative minima and relative maxima to the nearest tenth.

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



Answers to REVIEW for Test 3 During Home Instruction Date 3/27/2020 2nd & 5th Period

1) reflection across the x-axis 2)



3) Domain: { All real numbers. }
Range: { All real numbers. }

4) Domain: $x \geq -5$ 5) -23
Range: $y \geq 2$

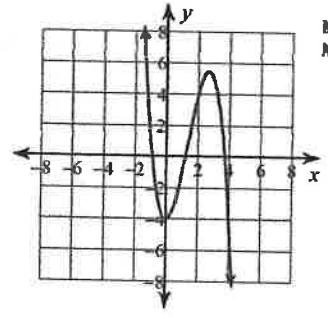
6) $\frac{7}{12}$

7) $f(x) \rightarrow -\infty$ as $x \rightarrow -\infty$
 $f(x) \rightarrow -\infty$ as $x \rightarrow +\infty$

8) $f(x) \rightarrow +\infty$ as $x \rightarrow -\infty$
 $f(x) \rightarrow +\infty$ as $x \rightarrow +\infty$

9) $g^{-1}(x) = (x - 3)^3$

10)



Minima: (0, -4)
Maxima: (2.7, 5.5)

Test 3 During Home Instruction

Date 3/27/2020 2nd & 5th Periods Period _____

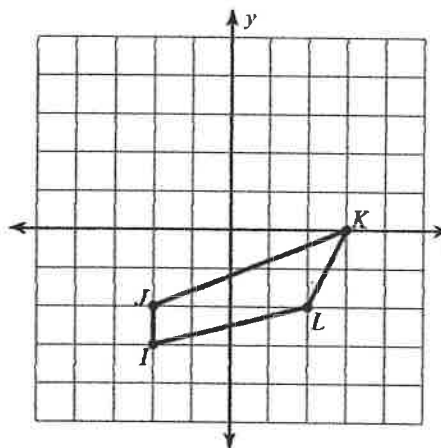
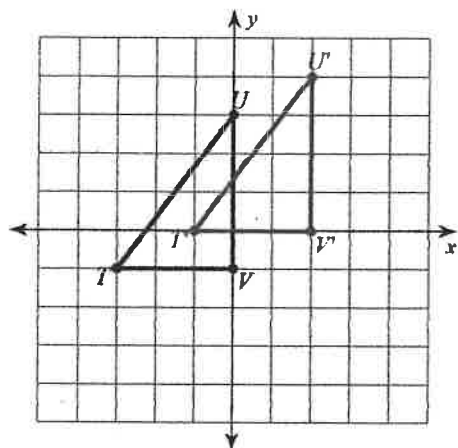
READ THE ASSIGNMENT LIST FOR DIRECTIONS! GOOD LUCK!

Graph the image of the figure using the transformation given.

Write a rule to describe each transformation.

2) translation: 2 units right and 4 units up

1)



Identify the domain and range of each.

3) $y = 2\sqrt{x+4} - 5$

Perform the indicated operation.

4) $f(n) = 4n + 3$

$g(n) = 2n$

Find $3f(-4) - g(-4)$

5) $g(x) = x + 3$

$h(x) = 2x - 4$

Find $(g \circ h)(2)$

Describe the end behavior of each function.

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

Find the inverse of each function.

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

8) $f(x) = \frac{-6 - \sqrt[5]{16x}}{2}$

9) $f(x) = 2x^3 - 3$

Sketch the graph of each function. Approximate the relative minima and relative maxima to the nearest tenth.

10) $f(x) = x^3 - 3x^2$

