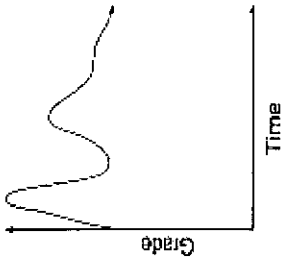
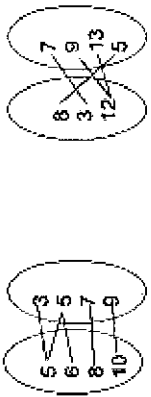


Week of: 4/3/17-4/7/17

Name _____

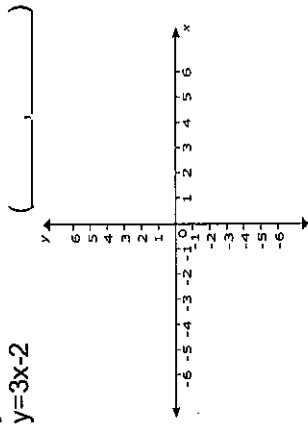
ALGEBRA SPIRAL REVIEW

<p>Label the graph. Jill's Math Grades</p> 	<p>Is the relation a function?</p>  <p>Use the vertical line test to see if this is a function. $(-8,4)(5,-3)(3,6)(7,-3)(-8,6)$</p>	<p>Write a rule and complete the table</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th style="width: 50%;">Input</th> <th style="width: 50%;">Output</th> </tr> <tr> <td>18</td> <td>0</td> </tr> <tr> <td>45</td> <td>3</td> </tr> <tr> <td>63</td> <td>5</td> </tr> <tr> <td>81</td> <td>7</td> </tr> </table>	Input	Output	18	0	45	3	63	5	81	7	<p>Simplify the radicals.</p> $\sqrt[5]{180}$ $\sqrt[3]{405}$ $2\sqrt{36}$ $9\sqrt{125}$ $12\sqrt{1764}$
Input	Output												
18	0												
45	3												
63	5												
81	7												
<p>MONDAY</p>	<p>Find the x and y- intercepts of the lines. $5x+7y=35$ _____ $3x+5y=72$ _____</p> <p>Simplify the following expressions. $(x^2 + 4x) + (7x^2 + x + 9)$ _____ $(2k^2 + 6k) - (2k^2 - 5k + 9)$ _____ $(5p^2 + 8p + 2) + (6p^2 + 4p - 4)$ _____ $(9x^2 + 6x - 4) - (7x^2 - 4x + 2)$ _____</p>	<p>Solve.</p> $\sqrt{\frac{25}{400}}$ $\sqrt{\frac{2}{3}}$ $\frac{8\sqrt{45}}{16\sqrt{20}}$ $\frac{10\sqrt{6}}{\sqrt{2}}$ $\sqrt{\frac{5}{8}}$ $\frac{\sqrt{48}}{\sqrt{12}}$ $\frac{15}{\sqrt{3}}$	<p>Find the next three terms. 28 42 56, 70 _____ 75, 187.5, 468.75, 1171.875 _____</p> <p>Write the equation in point-slope form. $m=9 (-7,4)$ _____ $m=-5 (5,-1)$ _____</p>										
<p>TUESDAY</p>	<p>Solve The school that Stefan goes to is selling tickets to a choral performance. On the first day of ticket sales the school sold 3 senior citizen tickets and 1 child ticket for a total of \$38. The school took in \$52 on the second day by selling 3 senior citizen tickets and 2 child tickets. Find the price of a senior citizen ticket and the price of a child ticket.</p> <p>child _____ senior _____</p>	<p>Write the equation in point-slope form. $m=9 (-7,4)$ _____ $m=-5 (5,-1)$ _____</p>	<p>Write the equation in point-slope form. $m=9 (-7,4)$ _____ $m=-5 (5,-1)$ _____</p>										

W E D N E S D A Y

Solve by graphing.

$y = -4x + 5$
 $y = 3x - 2$



Solve by substitution.

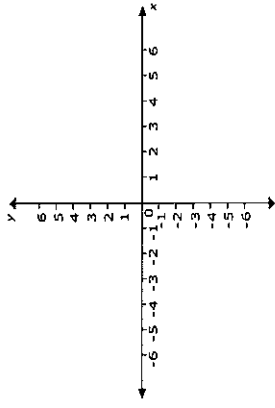
$4x + y = 24$
 $y = -4x + 24$ ()

Solve by elimination.

$-10y + 9x = -9$
 $10y + 5x = -5$ ()

Graph the systems of inequalities.

$y < -2x + 4$
 $y > 3x - 4$



Solve.

$\sqrt{5} + \sqrt{5}$ _____
 $\sqrt{5} + 3\sqrt{7} - 4\sqrt{5} - 5\sqrt{7}$ _____
 $3\sqrt{3} + 4\sqrt{3} - \sqrt{2}$ _____
 $2\sqrt{5} + 7\sqrt{5}$ _____
 $5\sqrt{3} - 2\sqrt{3} + \sqrt{3}$ _____
 $9\sqrt{7} - \sqrt{7}$ _____

T H U R S D A Y

Solve, put the numbers in scientific notation.

$(6.25 \times 10^9)(45 \times 10^7)$ _____
 $(3.5 \times 10^8)(6 \times 10^0)$ _____
 $3.5 \times 10^3 / 2 \times 10^9$ _____

Solve the equations when $a = 1/4$

$b = 2$ _____
 $-8ab$ _____
 $(16a) - 4b$ _____

Solve

A high school has a total of 850 students. There are 60 more female students than there are male students. Write a system of linear equations that represents this situation.

female _____
male _____

Write a rule for each sequence and determine if it is geometric or arithmetic.

7, 14, 28, 56 _____
39, 58, 77, 96 _____
100, 75, 56.25 _____

Simplify the following equations.

$(d \times 8)(d \times 5)$ _____
 $(m \times 10)(m \times 5)$ _____

Write an equation in slope intercept form. $(-2, 8)(5, -6)$

Draw a graph for the situation:

You are going to watch a play in the theatre.

Write each number in scientific notation.

0.00084 _____
6370 _____
49280400 _____
0.009074 _____

Write in standard form.

1.2349×10^{-5} _____
 4.12×10^3 _____
 5.386×10^{-7} _____

Solve.

$4n^4 \cdot 4n^6$ _____
 $6n^4$ _____
 $3V^4 \cdot (-6X^2) \cdot (-4V^6) \cdot 10X^4$ _____
 $6y^4 \cdot 9y^2$ _____
 $10y^{10}$ _____

Use a function table to graph the equation. $y = 9x + 12$

Factor the expressions.

$14d^2 + 7d + 35$ _____
 $25r^2 + 50r + 100$ _____

Write an equation of a perpendicular and parallel line. $y = 5x + 6$ (4, 3)

Solve.

$\sqrt{6} \cdot 4\sqrt{6}$ _____
 $-\sqrt{5} \cdot \sqrt{20}$ _____
 $-\sqrt{2} \cdot \sqrt{3}$ _____
 $4\sqrt{8} \cdot \sqrt{2}$ _____
 $\frac{\sqrt{8}}{\sqrt{7}}$ _____
 $\frac{7}{8\sqrt{7}}$ _____
 $\frac{\sqrt{21}}{\sqrt{15}}$ _____
 $\frac{\sqrt{2}}{\sqrt{6}}$ _____

F R I D A Y