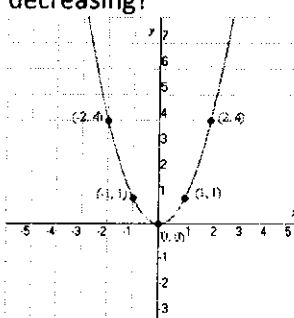
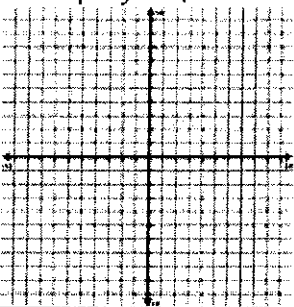
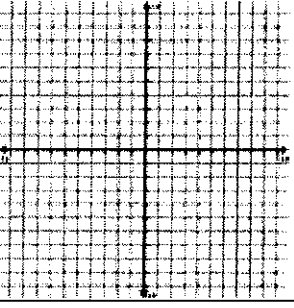
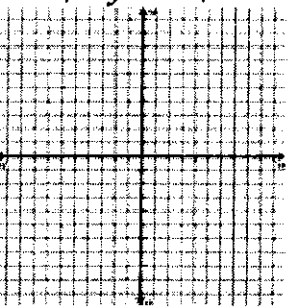
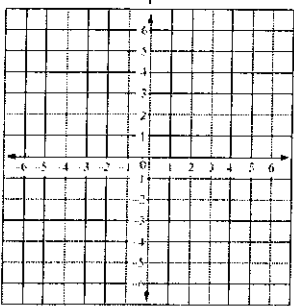
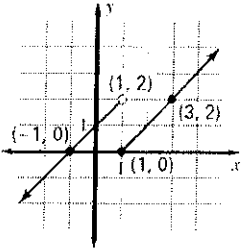
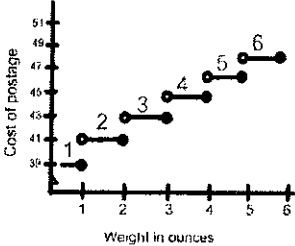



Monday	Tuesday	Wednesday	Thursday	Friday
<p>1. Solve. $x - 4 - 1 \leq 8$</p>	<p>1. Use a system of equations to convert $.3\bar{6}$ to a fraction.</p>	<p>1. For what domain values is the function decreasing?</p> 	<p>1. Which quantity would be substituted for x in the second equation when solving the system by substitution?</p> $x - 3y = 8$ $2x + 5y = 7$	<p>1. Write an exponential equation that represents exponential growth.</p>
<p>2. Write the equation of a circle that has a center at (4,-5) and is tangent to the y-axis.</p>	<p>2. Evaluate without a calculator. $3^2 \cdot 8^{-2} \cdot -3$</p>	<p>2. Write an equation for the parabola in Wed. #1.</p>	<p>2. Find the vertices of the feasibility region of the system.</p> $2x + 3y \leq 6$ $x \geq 1$ $y \geq 0$	<p>2. What does the 450 represent in the exponential equation $y = 450(.83)^x$?</p>
<p>3. What type of function is modeled by a geometric sequence?</p>	<p>3. Factor. $3x^3 - 9x^2 - 30x$</p>	<p>3. Write an equation that would reflect the graph in Wed. #1 about the x-axis and translate it up one unit.</p>	<p>3. Find the maximum and minimum value using the vertices in Thurs. #2 and the obj. quantity $f(x) = 3x - 4y$.</p>	<p>3. By what percent is the function in Fri. #2 increasing or decreasing?</p>
<p>4. Write the equation of a line that passes through the points (2, -3) and (2, 7).</p>	<p>4. Solve. $\sqrt[3]{x - 4} = -2$</p>	<p>4. Translate the graph in Wed. #1 four units left and one unit down. Find the zeros of the graph.</p>	<p>4. A company manufactures two different wood baseball bats. Bat A takes 8 hours to trim and turn on a lathe and 2 hours to finish. Bat B takes 5 hours to trim and turn on a lathe and 5 hours to finish. The total time per day available for trimming and lathing is 80 hours and for finishing is 50 hours. Write a set of constraints for this problem.</p>	<p>4. Find the value of the function in Fri. #2 when the number of time periods is 10. (Round to the nearest thousandth)</p>
<p>5. Write a function that has the same rate of change as $y = 5x - 10$.</p>	<p>5. Simplify. $\frac{5}{3 - \sqrt{7}}$</p>	<p>5. The path of a projectile is modeled by the function $h(x) = -16t^2 + 50t + 100$. What does the 50 represent?</p>	<p>5. The profit on Bat A is \$17 and the profit on Bat B is \$29. How many of each bat should be produced each day to maximize the profit?</p>	<p>5. Convert the function in Fri. #2 to an exponential function in base 10. (Round to the nearest thousandth)</p>

Monday	Tuesday	Wednesday	Thursday	Friday
1. Write the equation of a line perpendicular to $y = 3x - 1$ that passes through $(4, 2)$.	1. Multiply. $(3 - \sqrt{6})(4 + 2\sqrt{3})$	1. Solve. $\sqrt{x + 1} = 6$	1. Graph. $y = \sqrt{x}$ 	1. Find the minimum value of the function $y = 3x^2 + 6x - 1$.
2. Simplify. $\sqrt[4]{32x^{12}y^{14}}$	2. Simplify. $\frac{\sqrt[5]{x}}{\sqrt[5]{2x^3}}$	2. Solve. $\sqrt[3]{3x} = -2$	2. Graph. $y = \sqrt{2x - 1}$ 	2. Compare the minimum of the function in Friday #1 to the function $y = 2x^2 - 5x + 7$
3. Simplify. $\frac{4x^2}{2x^{\frac{1}{2}}}$	3. Simplify. $\frac{2\sqrt{5} + \sqrt{2}}{\sqrt{5} - 5}$	3. Solve. $\sqrt{2x + 3} = \sqrt{x - 2}$	3. Graph. $y = \sqrt[3]{x}$ 	3. Write the function in vertex form. $y = x^2 + 6x - 2$
4. Find $f(g(3))$ for the functions: $f(x) = 3x + 8$ $g(x) = -x^3$	4. Solve. $x^{\frac{4}{3}} = 256$	4. Solve. $\sqrt{x} - 4 = -8$	4. State the domain and range of the function in Thursday #2	4. What is the vertex of Friday #3?
5. Factor. $8x^3 - y^3$	5. Solve. $8x^{\frac{1}{2}} + 6 = 0$	5. Solve. $\sqrt{x} = \sqrt{x} - 5$	5. Write a function that would be a translation two units up and three units left of the graph in Thursday #3.	5. Find the distance between the axes of symmetry of the functions in Friday #1 and Friday#3?

Monday	Tuesday	Wednesday	Thursday	Friday								
<p>1. Solve and graph the inequality. Express your answer in interval notation.</p> $-6 \leq \frac{x-1}{3} < 4$	<p>1. Write the recursive formula for a population of 100 cells that divide every hour.</p>	<p>1. The endpoints of the diameter of a circle are (-4, 5) and (8, 2). Find the center of the circle.</p>	<p>1. Write an equation that models the data in the table.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>x</td> <td>y</td> </tr> <tr> <td>1</td> <td>75</td> </tr> <tr> <td>2</td> <td>125</td> </tr> <tr> <td>3</td> <td>175</td> </tr> </table>	x	y	1	75	2	125	3	175	<p>1. Multiply.</p> $2x^2y(3x^2 + y^4 - xy^2)$
x	y											
1	75											
2	125											
3	175											
<p>2. Solve.</p> $- 2x + 1 = -9$	<p>2. Write the first 4 terms of the sequence.</p> $a_1 = -5$ $a_n = a_{n-1} + 10$ $n \geq 2$	<p>2. Find the radius of the circle you found in Wed. #1</p>	<p>2. A plumber charges a fee of \$100 for the first hour and \$50 for every hour thereafter. Write a linear model to represent the charges for any amount of hours.</p>	<p>2. Multiply.</p> $(2x - 1)(4x + 5)$								
<p>3. A trail mix contains peanuts, chocolate pieces, and raisins. There are twice as many raisins as chocolate pieces. There are 20 less peanuts than raisins. In total, the mix contains 200 pieces. Write an equation in terms of r (the number of raisins) to represent this situation.</p>	<p>3. Explain what the notation $\llbracket x \rrbracket$ means.</p>	<p>3. Write the equation of the circle for Wed. #1.</p>	<p>3. Compare the rates of the functions in Thursday #1 and Thursday #2. If both represented plumbing company charges, which has the lower hourly rate?</p>	<p>3. Expand.</p> $(x - 4)^3$								
<p>4. Graph the solution to the inequality.</p> $-5 < 2x - 1 \text{ or } 3x + 8 > 2$	<p>4. A wireless company rounds any portion of a minute up to the next minute. Does this represent a ceiling or floor function?</p>	<p>4. Graph.</p> $(x - 2)^2 + (y + 4)^2 = 4$ 	<p>4. Compare the y-intercept of the function in Thursday #1 and Thursday #2. Which y-intercept is lower?</p>	<p>4. Multiply.</p> $(2x + 1)(x^2 + 4x - 3)$								
<p>5. A student scored a 63, 42, and an 80. Write and solve an inequality to show to score he must get on the fourth exam in order to pass (passing is a 70 or above).</p>	<p>5. Write a piecewise function for the graph of $y = x$.</p>	<p>5. Find the center and radius of the circle.</p> $(x - 7)^2 + (y + 5)^2 = 9$	<p>5. Write an equation that would represent a company's charges that has a greater hourly rate than the given companies.</p>	<p>5. Are $(2x - 3)^2$ and $4x^2 + 9$ equivalent expressions? Why or why not.</p>								

Monday	Tuesday	Wednesday	Thursday	Friday
<p>1. Solve.</p> $\frac{x - 5}{7} = \frac{2x - 1}{4}$	<p>1. A deer population of 100,000 is growing too large. It is reduced by 200 deer per season. Write a recursive formula to find the number of deer after each season.</p>	<p>1. Explain how $f(x) = \lfloor 2x \rfloor$ compares to the parent function.</p>	<p>1. Use the scenario for all questions in this column. In 1978, a stamp cost 15 cents. In 2008, it cost 42 cents. Find the average yearly rate of change.</p>	<p>1. Does $y = 2^x$ represent a linear or non-linear function?</p>
<p>2. Solve.</p> $\frac{1}{3}x - 2 = \frac{4}{5}x + \frac{1}{3}$	<p>2. Write the explicit formula of the sequence given the recursive formula.</p> $a_1 = 5$ $a_n = \left(\frac{1}{3}\right)a_{n-1}$ $n \geq 2$	<p>2. What shape is an absolute value graph?</p>	<p>2. Write a linear equation representing the cost of a stamp given any year after 1978.</p>	<p>2. Give a relation of 4 points that would not represent a function.</p>
<p>3. Solve for b.</p> $ab + br = d$	<p>3. Identify the sequence as arithmetic or geometric.</p> $-\frac{7}{8}, -\frac{5}{8}, -\frac{3}{8}$	<p>3. Write an absolute value equation that would be a translation 2 units right and 3 units down from the parent function.</p>	<p>3. What would you substitute for the domain value when using your prediction equation to find the cost of a stamp in 2015?</p>	<p>3. Is $\{(-2,5)(4,5)(-3,8)\}$ a function?</p>
<p>4. Solve for q.</p> $\frac{q}{b} + a = y$	<p>4. Write an explicit formula for the sequence in Tuesday #3.</p>	<p>4. Write a piecewise function for the graph.</p> 	<p>4. Find the cost of a stamp in 2015 using your equation.</p>	<p>4. Is a circle a function?</p>
<p>5. Find two consecutive integers such that the sum of twice the largest and the three times the smallest is 57.</p>	<p>5. Write a recursive formula for the sequence in Tuesday #3.</p>	<p>5. Classify as a floor or ceiling function.</p> <p>The Cost of Postage for a Letter</p> 	<p>5. Use your equation to predict in which year the stamp will cost more than a \$1.00.</p>	<p>5. Give a counterexample to the statement, "All lines are functions."</p>

Monday	Tuesday	Wednesday	Thursday	Friday
1. Convert $0.\overline{356}$ to a fraction.	1. Solve the equation for h . $fh - r = th + 1$	1. Write an absolute value inequality to model: A company wants to stay within \$10,000 of their start-up expense goal of \$75,000.	1. Find the slope of the line $y = 6$.	1. Solve the system. $y = -4x + 8$ $2x - y = 10$
2. Give an example of an imaginary number.	2. Solve. $\frac{5x}{3} = \frac{6x + 1}{4}$	2. Name the property used. <i>If $m\angle 1 = m\angle 3$ and $m\angle 4 = m\angle 5$, then $m\angle 1 - m\angle 4 = m\angle 3 - m\angle 5$</i>	2. Write the equation of the line that passes through $(-2, 5)$ and $(4, 7)$.	2. Multiply. $(x - 3)(x^2 + 8x - 4)$
3. Multiply. $\frac{3}{7} \cdot 0.\overline{84}$	3. Solve. $\frac{2x}{3} - \frac{x - 3}{4} = \frac{5}{6}$	3. Solve and graph. Write your answer in interval notation. $-3 > -3x$ and $4x - 1 > 7$ 	3. Convert $y = \frac{2}{3}x - 1$ to standard form.	3. Simplify. $\sqrt{48x^4y^5}$
4. Find the sum of all the integers between $\sqrt{11}$ and $\sqrt{45}$.	4. Find two consecutive even integers such that the sum of three times the smaller and twice the larger is 104.	4. Write a recursive formula for the sequence. 14, 19, 24, 29....	4. Find the slope of a line perpendicular to $y = -3x + 7$.	4. Factor. $a^2 - 5a - 14$
5. Estimate $-\sqrt{67}$ to the nearest tenth without a calculator.	5. Solve. $ 3x - 1 \leq 4$	5. Write an explicit formula for the sequence in Wed. #4.	5. Find the x and y-intercepts of $6x - 2y = -30$.	5. Solve. $\sqrt{x + 1} = 7$