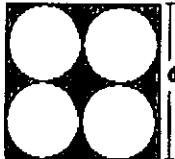
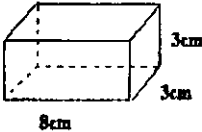
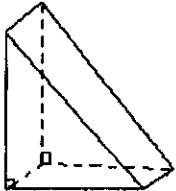
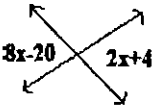

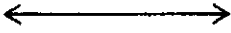
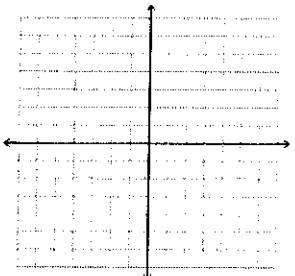
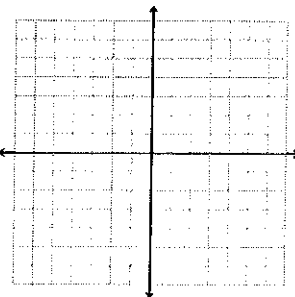


Monday	Tuesday	Wednesday	Thursday	Friday
<p>1. A sweater is reduced from \$35.00 to \$22.50. Find the percent of change in the price. Round to the nearest whole percent.</p>	<p>1. Find the area of the shaded region for the square below. Round to the tenths.</p> 	<p>1. Find the surface area of the prism.</p> 	<p>1. Solve.</p> $3(x - 4) - (6x + 2) = 10$	<p>1. Find two consecutive odd integers such that the sum of four times the larger and twice the smaller is 194.</p>
<p>2. Find the exact distance between (2, -4) and (4, 5).</p>	<p>2. Solve.</p> $\frac{3}{4}x - \frac{5x + 1}{8} = \frac{1}{2}x - \frac{1}{4}$	<p>2. Simplify without a calculator. You may leave your answer as a power.</p> $3^{-2} \cdot 9^4$	<p>2. Factor.</p> $x^2 - 3x - 18$	<p>2. Solve the system.</p> $\begin{aligned} 3x - 4y &= 8 \\ 2x + 7y &= 2 \end{aligned}$
<p>3. Solve the proportion.</p> $\frac{x + 1}{5} = \frac{2x - 4}{3}$	<p>3. Simplify.</p> $\frac{4}{\sqrt{3}}$	<p>3. Name a quadrilateral with no right angles and all sides congruent.</p>	<p>3. Solve for V.</p> $M = \frac{D}{V}$	<p>3. The length of a rectangle is 3 more than twice the width. The perimeter is 30 cm. Find the dimensions of the rectangle.</p>
<p>4. Multiply. Write your answer in scientific notation.</p> $(5 \times 10^7)(6 \times 10^{-2})$	<p>4. Name the figure.</p> 	<p>4. Solve the equation for r.</p> $5r + s = tr$	<p>4. Does the equation model exponential growth or decay?</p> $y = 500 \cdot 0.98^x$ <p>What is the percent of growth or decay?</p>	<p>4. Expand.</p> $(x + 2)^3$
<p>5. Find the probability of picking a queen from a standard deck of cards.</p>	<p>5. A salesperson makes \$1500 a month plus 5% commission on his sales. What amount must he sell to make \$3250 this month?</p>	<p>5. Vertical angles are congruent. Find x.</p> 	<p>5. Graph.</p> $x \leq 5 \text{ and } 3 \geq x$ 	<p>5. A recipe requires 4 cups of flour to make 3 dozen cookies. How many cups of flour are needed for 54 cookies?</p>

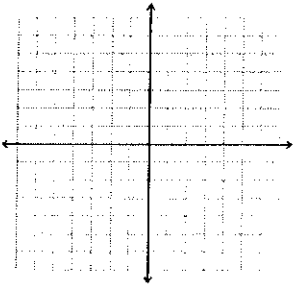
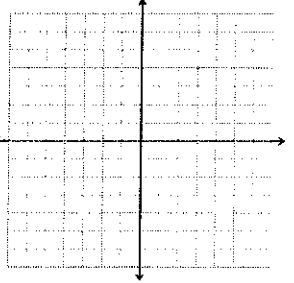
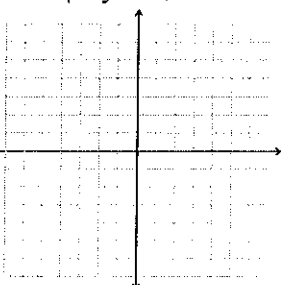
Monday	Tuesday	Wednesday	Thursday	Friday
1. Convert $\sqrt{45}$ into a fraction without a calculator.	1. Jane is a year younger than twice her sister's age. Together their ages are equal to 50. How old is each girl?	1. Name the property used. <i>If $6 = x$, then $x = 6$.</i>	1. It started snowing at midnight. By 3 am., there was 6 inches of snow on the ground. Find the rate of change.	1. Simplify. $\left(\frac{3a}{4}\right)^2$
2. Explain how to type in $2\frac{2}{3}$ into a graphing calculator so that you could then add another mixed number.	2. An angle is 15 degrees more than half its supplement. Find the two angles.	2. Name the property used to simplify $7 - 7$ to 0 in an algebraic proof.	2. When trick-or-treating, you received 15 pieces of candy in the first 5 minutes and 65 pieces of candy in the first 30 minutes. Find the average rate in which you received candy.	2. Factor. $x^2 - x - 12$.
3. Without a calculator, compare using $>$, $<$, $=$. $2\sqrt{12}$ 9.2	3. Solve. $ 3x - 1 < -8$	3. Write the first 4 terms of the sequence. $A_n = A_{n-1} \cdot 4$ $A_1 = 4$ $n \geq 2$	3. Write the equation of a line that has a slope of 4 that passes through (7, -1).	3. Find the greatest common factor between $12a^3b^5c^7$ and $48a^2b^2c$.
4. Evaluate. $\sqrt{\frac{36}{49}}$	4. Given the interval notation, construct a graph. $(-\infty, 3) \cup (4, \infty)$ 	4. If the <i>next</i> is represented in a recursive formula with A_{n+1} , how would the <i>now</i> term be notated?	4. Name the slope of a vertical line.	4. Solve the system. $x - y = 4$ $2x + 3y = -8$
5. Name a non-whole integer.	5. You invest \$50 in equipment to start a lemonade stand. If each cup sells for \$0.50, write an inequality and solve to find out how many cups you must sell to make at least \$25 profit.	5. Write the explicit formula for the sequence 4, 20, 100, 500.	5. Write an equation of a line that passes through (4, 7) and (4, 12).	5. Solve. $x(x - 4) = 0$

Math 2 Weekly Math #5

Name _____

Monday	Tuesday	Wednesday	Thursday	Friday
1. Solve. $ x - 3 = 10$	1. Given A_n : How do you express the previous term.	1. Explain how $f(x) = x + 3 + 1$ compares to the parent function.	1. Find the slope of the line that passes through $(-4, 5)$ and $(8, 10)$.	1. Multiply. $(-2x^5y^3)(-x^3y^7)$
2. Graph the solution to $ x + 5 \leq 3$.	2. Write an explicit formula for the geometric sequence. 5, 15, 45...	2. Graph the piecewise function. $f(x) = \begin{cases} -x & \text{for } x < 2 \\ 3 & \text{for } x \geq 2 \end{cases}$ 	2. Write the equation of a line whose slope is -4 that passes through $(-1, 8)$.	2. Divide. $\frac{15x^4y^6}{20x^8y^{10}}$
3. Express $-3 < x \leq 5$ in interval notation.	3. Write an explicit formula for the arithmetic sequence. -6, -2, 2.....	3. Graph $f(x) = \llbracket x - 1 \rrbracket$. 	3. Write the equation of a line that passes through $(-7, 4)$ and $(3, 9)$.	3. Multiply. Express your answer in scientific notation. $.0000034(4 \times 10^{-3})$
4. A job offers a month salary of \$800 and a 7% commission on all sales over \$20,000. Write an equation to express how much a person would have to sell in a month to make \$4000.	4. Write the first 4 terms of the sequence given the recursive formula. $a_1 = 7$ $a_n = a_{n-1} + 12$ $n \geq 2$	4. Evaluate $\llbracket -\frac{6}{7} \rrbracket$.	4. Find the slope of the line perpendicular to the line $3x - 5y = -13$.	4. Simplify. $(-a^4b^{-3})^4(a^5b^3)$
5. Solve the equation you wrote in Monday #4.	5. Write the recursive formula for the given sequence -20, -10, -5...	5. A long distance phone company charges 15 cents a minute or any portion thereof. Graph the charges for the first 5 minutes.	5. Convert $4x - 6y = -12$ to standard form.	5. Simplify. $(5x - 4)^0$

Monday	Tuesday	Wednesday	Thursday	Friday
1. Simplify. $\frac{x^3y^{-5}z^2}{(2x^2y^4)^3}$	1. Find $(f + g)x$ given $f(x) = 2x - 1$ and $g(x) = 3x + 12$.	1. Factor. $3ab - 9ac + 15ad$	1. Simplify. $\sqrt{12x^3y^8z^{12}}$	1. Evaluate without a calculator. $9^{\frac{1}{2}}$
2. Evaluate without a calculator. $\frac{8^3}{2^6}$	2. Find $(f - g)x$ for the functions in Tuesday #1.	2. Factor. $4x^2 + 4x + 1$	2. Simplify. $\sqrt[3]{x^8y^{12}}$	2. Evaluate without a calculator $\frac{27^{\frac{2}{3}}}{4^{\frac{5}{2}}}$
3. Find the population density of a state whose population is 3 million people and whose land area is 12,000,000 square feet. Express your answer in scientific notation.	3. Find $(f \cdot g)x$ for the functions in Tuesday #1.	3. Factor. $6x^2 - 20x - 16$	3. Simplify. $\sqrt{10.25}$	3. Simplify. $\frac{x^{-1}}{x^{\frac{2}{3}}}$
4. Simplify. $(5x^3y^{-8}z^2)(-x^2y^5)^4$	4. Find $\left(\frac{f}{g}\right)x$ for the functions in Tuesday #1.	4. Factor. $4a^2 - 64b^2$	4. Simplify. $\frac{\sqrt{a^3b^6}}{\sqrt{a^4b^2}}$	4. Write the expression in radical form. $(2r)^{\frac{2}{3}}$
5. State the name based on degree and number of terms for the given polynomial. $x^2y + x^3 - 2x^2y^5$	5. Find $(f \circ g)x$ for the functions in Tuesday #1.	5. Factor. $3x^2 + xy - 12x - 4y$	5. Simplify. $\frac{3}{4 - \sqrt{5}}$	5. Write in exponential form. $\sqrt[2]{4x}$

Monday	Tuesday	Wednesday	Thursday	Friday
1. A direct variation graph always passes through which point?	1. Solve. $x^3 - 5x^2 - 66x = 0$	1. Write an equation that would reflect the graph of the given equation about the x-axis. $y = \sqrt{x}$	1. Convert to vertex form and then state the vertex. $y = x^2 + 10x - 8$	1. Label the system as consistent, inconsistent, dependent, or independent. $2x - 4y = 12$ $y = \frac{1}{2}x - 3$
2. About 20,000 fewer babies were born in California in 1996 than in 1995. In 1995, about 560,000 babies were born. Write a linear equation that can be used to predict the number of babies born in California x years after 1995.	2. Factor. $4s^2 - 100t^2$	2. Graph. $f(x) = \begin{cases} -x, & x < 0 \\ x, & x \geq 0 \end{cases}$ 	2. Convert to vertex form. $y = 3x^2 - 6x + 2$	2. Solve the system. $5x - 3y = 10$ $2x - 4y = 18$
3. Use your equation from Monday #2 to predict how many babies were born in California in 2013.	3. Factor. $x^3 + 27y^3$	3. Evaluate the piecewise function for $f(7)$. $f(x) = \begin{cases} x^2, & x < 2 \\ 3x - 3, & x \geq 2 \end{cases}$	3. Find the zeros of $y = 2x^2 + 5x - 12$.	3. Solve the system. $x - y = -4$ $x^2 - y = -2$
4. Write the equation of a line in slope-intercept form that is parallel to the line $y = 4x - 10$ and passes through $(-2, 7)$.	4. Find the dimensions of a rectangle whose perimeter is 60 inches and whose area is 221 square inches.	4. Graph the piecewise function in Wed. #3. 	4. Find the discriminant. $3x^2 - 5x = 17$	4. Solve the system. $y = \sqrt{2x - 3}$ $y = 3 - x$
5. Convert $y - 3 = \frac{1}{2}(x + 5)$ from point-slope form to standard form.	5. Simplify. Be sure to state the excluded values. $\frac{25 - x^2}{x^2 + 12x + 35}$	5. Graph $y \leq \sqrt{x - 4}$. 	5. Describe the solutions to Thurs. #4 based on its discriminant value.	5. Solve the system. $(x - 2)^2 + (y - 1)^2 = 1$ $y = x + 3$