Monday	Tuesday	Wednesday	Thursday
Find the sum: (5a <sup>2</sup> - 3) + (8a <sup>2</sup> - 1) 13a <sup>2</sup> - 4	What is 150% of 18?  27	50 is what percent of 77?  64.9 or 65%	Find the distance between each pair of points: (0, 1) and (-6, -2) 6.71
(7k <sup>2</sup> + 2k - 6) + (3k <sup>2</sup> - 11k -8) 10k <sup>2</sup> - 9k - 14	What is 25% of 192? <mark>48</mark>	29 is what percent of 82? 35.4%	(8, 3) and (3, 8) 7 <mark>.07</mark>
If 3 pounds of coffee makes 225 cups, how many pounds of coffee is needed to make 3,000 cups of coffee? 40 lbs	Find the midpoint between each pair of points: (6, 3) and (10, -7) (8, -2) (4, -1) and (6, 1) (5, 0)	The diameter of a nickel is 2 cm. What is the circumference?  6.28 cm	Find the sum or difference: $(-n^2 + 2n) - (2n^3 - n^2 + n + 12)$ $-2n^3 + n - 12$ $(6c^2 + 3c + 9) - (3c - 5)$ $-6c^2 + 14$
The point (3, -2) is rotated 90° about the origin and then dilated by a scale factor of 4. What are the coordinates of the resulting image? (8, 12)	5 people contributed \$9000 each toward the purchase of a sailboat. If they ended up paying \$38,500 plus 8% sales tax for the boat, how much money should be refunded to each person?  \$684 each	Harry is purchasing a ticket to Super Bowl LIV in Miami, FL. If the ticket is \$7,300 with a 10% processing fee and a 6% sales tax, what is the final purchase price of the ticket? \$8,511.80	On a map of North Carolina, Raleigh and Asheville are about 8 inches apart. If the scale is 1 inch = 12 miles, how far apart are the cities? about 96 miles
Find the coordinates of the vertices after the given transformation.  Reflection across the x-axis.N(-5, 2), G(-3,4), Q(-1,-1) G'(-3,-4) Q'(-1,1) N'(-5,-2)	The pitch of a roof is the number of feet the roof rises for each 12 feet horizontally. If a roof has a pitch of 8, what is its slope expressed as a positive number? 2/3	When buying a pair of shoes for \$109.95, you have the choice of using a coupon for \$10 off the price or a 15% discount. Which option is best? Why? 15% discount = \$16.49	Find the coordinates of the vertices after the given transformation.  Rotation 90° clockwise about the origin.W(-4,-5) H(-5,-3) J(-3,-4)  W'(-5,4) H'(-3,5) J'(-4,3)
The formula for the area of a trapezoid is $A = \frac{1}{2}h(a + b)$ , where h represents the height and a and b represents the lengths of the bases. Solve for h. $h = \frac{2A}{a+b}$	Find the coordinates of the vertices after the given transformation. Reflection across $y = 1$ . C(-5,-1), $E(-3,0)$ , $M(-1,-3)E'(-3,2)M'(-1,5)$ $C'(-5,3)$	Find the coordinates of the vertices after the given transformation.  *Rotation 180° about the origin.  Z(4, -5), W(3, -1), M(5, -1)  Z'(-4,5),W'(-3,1) M'(-5,1)	Find the slope of the line that passes through the pair of points: (11, 7) and (-6, 2) 5/17 (2, 6) and (4, 12) 3
Write and solve an equation for the phrase:  Three times r less than fifteen equals six.  15 - 3r = 6; r = 3	Find the midpoint between the pair of points: (9, -4) and (-5, -10) (2, -7) (4, -1) and (6, 1) (5, 0)	Find the endpoint given the midpoint and the other endpoint. M(-3, 1) and E(-1, 4) (-5,-2) M(5, -7) and E(2, -11) (8, -3)	Describe the type of reflection that describes the transformation. $F(1,0)N(1,3)V(2,4)U(3,4)$ to $F'(-1,0)N'(-1,-3)V'(-2,-4)$ $U'(-3,-4)$ Rotation 180° about the origin, $(x,y) \rightarrow (-x,-y)$
Find the distance between the pair of points: (1, 5) and (7, -3) 10 (1, 8) and (-6, -1) 11.4	Find the sum or difference: $(4m^2 - m + 2) + (-3m^2 + 10m + 7)$ $m^2 + 9m + 9$ $(9b^3 - 13b^2 + b) - (-13b^2 - 5b + 14)$ $9b^3 + 6b - 14$	Find an equation of the line that passes through $(7,2)$ and is perpendicular to the line whose equation is $y = -4x + 10$ .  y= .25x + .25	Find an equation of the line that passes through $(5, 4)$ and is parallel to the line whose equation is $y=2x+1$ . $y=2x-6$
Simplify using exponent rules: $(n^2)(n^6)(n^4)$ $n^{12}$	The diameter of your bicycle wheel is 25 inches. How far will you move in one turn of your wheel? <b>78.5 in</b>	Solve using a proportion: $\frac{n-5}{n+8} = \frac{2}{7}$ 10.2 $\frac{2}{8} = \frac{n+4}{n-4}$ -6.67	Solve for the indicated value: u = x - k, for $xx = u + kam = n + p$ , for a
(2m) <sup>6</sup> 64m <sup>6</sup> Simplify using exponent rules: $(3x^3y^6z^2)^0  1$ $(18xy^3z^8)^0  1$	A football team won 75% of 120 games. How many games did they win? Solve using a proportion.  90 games	Jenny has \$300 and she spends \$15. What percent of her money has she spent?	$a = \frac{n+p}{m}$ Use the distance formula to find the perimeter. $A(-4,-3) B(-3,2) C(2,4)$ $D(4,-3)$ $about 25.76 units$