	Name:
	WEEK 7) Honors:
TRY YOUR BEST AND SHOW ALL OF YOUR WORK! Use CUBES (circle, underline,	
box, evaluate, and solve) to earn full credit.	
<u>MONDAY</u> : Solve the following problems without a calculator. You <u>MUST</u> show your work. NO WORK = NO CREDIT.	
1. Write an algebraic expression for the following:	2. What is the value of:
a. Twice a number decreased by 8	a) $0.4^3 =$
b. The sum of 5 and a number increased by 6	b) $5 + 2^4 \cdot 6 \div 6 =$
c. A number squared more than 4	c) $6^2 + 25x \div 5 \cdot 2 + 6.78^0 \cdot x$ If x=3
d. 8 less than a number of elephants	
3.A rectangle has a length of 3x and a width of x + 4. The rectangle's perimeter is:	4.Underline key words and write an algebraic expression for the following phrases:
The rectangle's area is:	a. fourteen decreased by a number p
	b. the product of a number and 6
A square has a side length of $6y^2$ . What is the perimeter of the square?	c. nine more than the number of math assignments
т	UESDAY:
<b>Directions:</b> Solve the following problems. You <u>MUST</u> show your work. <u>NO WORK = NO CREDIT.</u>	
<ol> <li>5y + 4 (You can NOT say 5y plus 4. Think of another way to translate this expression)</li> </ol>	<ul><li>2. Write an algebraic expression to represent the following:</li><li>a) The sum of a number and the quantity two times a number minus one.</li></ul>
	$\overline{b}$ ) Seven divided by the sum of a number plus 2.
	$\overline{c}$ ) The quantity six plus a number divided by two.
	d) Triple the difference between a number and 7.
3. Write a mathematical story for the following equation. 15b = 180	3. Solve.
	$(6 \cdot 4 \div 3)^2 - (2^4 - 5 \cdot 2)$
	Answer

## Name: \_\_\_\_\_

<b>Directions:</b> Solve the following problems. You	<i>MUST</i> show your work. <i>NO WORK = NO CREDIT.</i>
1. Solve the equation for x.	2. Evaluate the expression $3x^2 + 2y \div 2$ when x is equal to 4 and y is equal to 2.4.
a) $3x + 10 = 15$ $x = $	
b) $4x - 8 = 8$ $x = $	Answer:
	3. Evaluate $5(n^2 + 3) - 7n$ , when $n = \frac{1}{4}$
c) $5x + 1 = 16$ $x = $	
	Answer:
3. Evaluate the following expression when $x = \frac{1}{2}$ and $y = 3$	5. Given that the width is 6 units and the length can be
$\frac{x^2 + y^3}{2}$	represented by $x^2 + 6$ , what is the area of the flowers below? $x^2   6$
3	
Answer: 4.	
$\frac{x^2 - 2y + 3(z-1)}{y}$ when x = 6, y = 12 and z = 5	
	6
Answer	Answer:
THURSDAY:	
<b>Directions:</b> Solve the following problems. You	<i>MUST</i> show your work. <i>NO WORK = NO CREDIT</i> :
1. Simplify the following expression:	5. Simplify the following expressions.
$-20w - 4x + 3w - 8 + 42x \div 7$	$12r + 6(4r - 3) + 5^2 - 9r^2$
Answer	Answer
2. Use the distributive property to produce an	6. $6(4x-2) - 9x + 4^2$
equivalent expression for $21x \div 3 + 6(3 - x) + 7^0$	
$21x \cdot 5 + 0(5 \cdot x) + 7$	Answer
Anguyor	
Answer 3. Evaluate:	7. Write the following algebraic expressions in word
6m, when $r = 2.7$ and $n = 11$	form. $8(2z-4)$
6xy  when  x = 3.7  and  y = 11	
Answer	