Algebra Review #9 SHOW HOW YOU SOLVED EACH PROBLEM

	Natural	Integer	Whole	Rat.	Irr.	Real
-0.2						
$\sqrt{13}$						
1						
6						
2						
0						

2. Solve using the order of operations. Write answer in box provided.

$$\frac{(37-26)^2-6}{32 \div 2^2-(4^2-13)}$$

3. Simplify by using the distributive property and combining like terms:

6 - 10 + 7y - 6z + y	5h - 4(h + 2h)
2(-9v+1)+4v	$\frac{3}{4}(8x+y)$

NAME		

4. Solve
$$q^3$$
 when $q = \frac{1}{8}$

5. Solve the equation:

$$-13 = 5(1+4m) - 2m$$

6.
Translate the following into either algebraic expressions or verbal expressions:

Each piece of candy (c) costs \$0.79	140 students split amongst (x) classrooms
Three times the cost of a (y) car plus \$600	Double the amount she (spent) minus a \$40 coupon

7. What is the value of the following:

$$2\sqrt{54} + 2\sqrt{150}$$

9. What is the value of the following:

$$\sqrt{343} - \sqrt{175}$$

8. Simplify the radical.

$$\sqrt[3]{4608f^5g^4j^2}$$

10. Write in simplest radical form.

$$\sqrt{10} \cdot \sqrt{7}$$