W-up Algebra 1 Week 3 Mon

(warm-up: front and back of this page)

Give an example for the following properties:

1. Commutative prop of Addition

2. Associative prop of Multiplication:

3. Distributive property

List ALL the number sets that each values belongs to:

4. $-\sqrt{144}$ 5. $\sqrt{29}$ 6. $\dfrac{6}{3}$

7. Write an expression that represents: 6 less than the quotient of x and 8

8. Simplify: $-2(x-4)+6x-7$

9. Evaluate if r= -2 $-3r^2 + 4r \div 2$

10. Simplify: $2\left[8-(15-3^2)\div 2\right]$

Warm-up continues on the next page

Write an equation using the given table.   Solve for the missing side of the right triangle.

11.

X	Y
1	-3
2	-6
3	-9
4	-12
-2	6

Equation:_____

12.

X	Y
1	1
2	8
3	27
4	64
8	512

Equation:_____

13.

X	Y
0	1
1	-4
2	-9
3	-14
4	-19

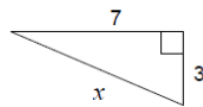Equation:_____

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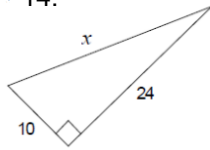
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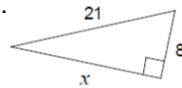
16.

HW p 69: 9, 10, 16, 24, 27, 39, 43, 52-55, 67-73 odd, 76, 84, 86, 98, 99

Write an algebraic expression for each word phrase.

9. 9 more than the product of 51 and a number t

10. 14 less than the quotient of 63 and a number h

Write a word phrase for each algebraic expression.

16. $7c - 3$

Simplify each expression.

24. $(2^4 - 6)^2$

Evaluate each expression for $c = 3$ and $d = 5$.

27. $(2 + d)^2 - 3^2$

Name the subset(s) of the real numbers to which each number belongs.

39. -17 **43.** 4.288

Tell whether the expressions in each pair are equivalent.

52. $(5 - 2)c$ and $c \cdot 3$

53. $41 + z + 9$ and $41 \cdot z \cdot 9$ Show the work!

54. $\dfrac{81xy}{3x}$ and $9xy$

55. $\dfrac{11t}{(5 + 7 - 11)}$ and t

Evaluate each expression for $p = 5$ and $q = -3$.

67. $-3q + 7$ **Simplify each expression.**

69. $q - 8$ Show the work!   **76.** $-2(7 - a)$

71. $-(2p)^2$ **84.** $-ab^2 - ab^2$

73. $(pq)^2$

86. Reasoning Are $8x^2y$ and $-5yx^2$ like terms? Explain.

Tell whether the given ordered pair is a solution of each equation.

98. $10 - 5x = y$; $(-4, 10)$ Show the work!

99. Describe the pattern in the table using words, an equation, and a graph. Extend the pattern for $x = 5, 6$, and 7.

x	y
1	15
2	25
3	35
4	45