

Say It With Symbols

Grade 8 Pre-Algebra Pre-test 9 (2008)

7m 1n b1 o7a  
7m 2a b2 o1d  
7m 2a b2 o3

7m 1n b2 o6  
7m 2a b2 o2a

7m 2a b2 o1b  
7m 2a b2 o2b

Name \_\_\_\_\_

Pre-Assessment: Say It With Symbols

1. Simplify for  $x = 3$

$5x - 3$

$(x + 5)^2$

$\frac{x^2 + 6}{5}$

2. Name the property used for the following problems:

Associative Property	Commutative Property	Distributive Property
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a.)  $(a + b + c) = a + (b + c)$  \_\_\_\_\_ property

b.)  $a + b + c = a + c + b$  \_\_\_\_\_ property

c.)  $ac = ca$  \_\_\_\_\_ property

d.)  $a(bc) = (ab)c$  \_\_\_\_\_ property

e.)  $a(b + c) = ab + ac$  \_\_\_\_\_ property

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3. Solve

$$14 = 3x + 5$$

$$\frac{x}{2} - 3 = 0$$

4. The first day of camp I started with \$20.00. I spent \$3.00 each day on candy. The camp was five days long.

Given this table figure out the pattern:

Days at Camp x	Total dollars y
0	\$20.00
1	\$17.00
2	
3	
4	
5	

Write an equation where x represents any number of days. Y represents total dollars left.