

Say It With Symbols

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

8m 1n b1 o3a

8m 1n b1 o7a

8m 1n b1 o7c

8m 2a b1 o6

8m 2a b2 o1d

8m 2a b2 o2b

8m 2a b2 o3

8m 2a b2 o6a

8m 2a b2 o6b

8m 6ps b1 o11

Say It With Symbols: Unit Test

Name _____

For Questions 1 - 4: Evaluate the expression for given value of x .

Show each step.

Circle your final answer.

1. $-5x + 9$ when $x = 3$

2. $3(x-2) + 10$ when $x = -3$

3. $5x^2 - 2x + 6$ when $x = 4$

4. $\frac{175 + 50}{D}$ when $D = 50$

For Questions 5 - 9: **Solve** using the order of operations (GEMDAS \blacktriangleright) for each:

5. $50(5 + 4)$

6. $50(5) + 50(4)$

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7. $50(5)(4)$

8. $50(9 - 5)$

9. $50(9) - \frac{50(5)}{2}$

For Questions 10 - 14: Write the following in factored form and expanded form:

10. x

 FF:
 7

 EF:

x	2
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11.

$10x$	20
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 FF:
 EF:

12.

x^2	$3x$
$2x$	6

 FF:
 EF:

13. x

 FF:

5	2
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 EF:

14. 3

 FF:
 x

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Solve for in each equation below.

15. $7x - 10 = 10x - 15$

16. $4 + 3(x-2) = x + 2$

17. $2x + 5 = 11$

18. $9 + 3x = 30$

19. $4x + 19 = 26 - 3x$

20. In your own words, explain why the distributive property works: $a(b + c) = ab + ac$
