

Review for Assessment on Friday September 25th

Name: _____ Date: _____ Period: _____

Simplify the following expressions.

1. $3(x + 5 + 3x + 1 + x^2)$

2. $4x(2x + 5 + 4x)$

3. $5(x^2 + 8)$

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

5. $7y(2y + 9)$

6. $2(6 + 9 \cdot 2 - 4^2) - 3^2 \cdot 2$

Write an algebraic expression for each of the following sentences.

7. 3 times the quantity of x minus 7

8. The difference between y and 15

9. The quotient of 20 and x

10. 8 increased by s

11. The produce of a and 9

Evaluate the following expressions.

12. $5x + y^2 + x + 3y^2 + 5 + x$ $x = 5$ and $y = 3$

13. $7x + x^2 + 8 + 3x + 2x^2 + xy$ $x = 4$ and $y = 5$