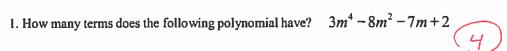
SD308 Algebra 1 Unit Assessment Retake Request Form



2. Classify the following polynomial by degree and number of terms. $-4x+2x^2$

Simplify the following expressions.

$$3.-2x(x+7)+5x(2x-3)$$

$$-2x^{2}-14x+10x^{2}-15x$$

$$8x^{2}-29x$$

5.
$$5x^2 - 3x + 12 - (2x^2 - 3x - 7)$$

4.
$$3(x^2-4)-5x(x-1)$$

$$3 \times {}^{2} - /2 - 5 \times {}^{2} + 5 \times$$

$$-2 \times {}^{2} + 5 \times - /2$$
6. $(4x^{3} - x^{2} + 2x - 1) + (8x^{2} - 5x - 11)$

$$4x^3 + 7x^2 - 3x - 12$$

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7. Write an equivalent expression to $(x-8)^2(x-5)$

8. What is the product of (n-7) and (n+6)?

Simplify to find the product of the following expressions.

9.
$$-2m(3m^2-5m+2)$$

10.
$$(x+2)(3x^2+x-5)$$

$$4 \frac{3x^3 + x^2 - 5x}{6x^2 + 2x - 10}$$

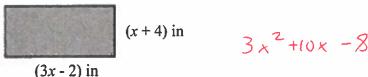
11.
$$(2y+3)(5y-1)$$

12.
$$7a^4(2a^2-a+4)$$

13.
$$(x-4)(x+4)$$

14.
$$(y+5)(y+5)$$

15. Using the diagram below, write an expression that represents the area of the rectangle in square inches.



A1 Unit 5 Assessment Retake Review Sheet

16. A rectangle has an area of $2x^2 - 5x - 3$, identify its length and width.

$$(2x+1)(x-3)$$

Factor the following polynomials.

17.
$$12x^2y - 8xy^2 + 16xy$$

18.
$$a^3 - 2a^2 - 3a$$

19.
$$3x^2 - 13x - 10$$

$$(3x+2)(x-5)$$

$$20. \ \ 25x^2 + 20x + 4$$

$$(5x+2)^2$$

21.
$$3x^2 - 27$$

21.
$$3x^2 - 27$$

 $3(x^2 - 9)$
 $3(x+3)(x-3)$

22.
$$-2x^2 + 10x - 12$$

$$-2(x^2-5x+6)$$

 $-2(x-3)(x-2)$

23. Your teacher used the following method to solve $4x^2 - 36 = 0$

Add 36 to both sides to get	$4x^2 = 36$
Divide 4 to both sides to get	$x^2 = 9$
Take square roots of both sides to get	$x = \pm 3$

Using this method, what is the solution to $2x^2 - 8 = 0$?



24. Write an equation in factored form that has roots of -3 and 5.

Solve the following quadratic equations.

25.
$$x^2 - 12x + 20 = 0$$

$$(x-2)(x-10) = 0$$

$$26. \ \ 3x^2 + 13x + 4 = 0$$

$$(3x+1)(x+4)=0$$

27.
$$x^2 - 4x + 4 = 0$$

$$\left(x-z\right)^{2}=0$$

28.
$$x^2 + x - 30 = 0$$

$$(x+6)(x-5)=0$$