

Do Now

1) Add

$$(6x^2 - 7x + 2) + (4x^2 + 3x - 8)$$

$$6x^2 - 7x + 2 + 4x^2 + 3x - 8$$

$$10x^2 - 4x - 6$$

2) Subtract

$$(4x^2 + 3x - 7) - (8x^2 - 4x + 2)$$

$$4x^2 + 3x - 7 - 8x^2 + 4x - 2$$

$$-4x^2 + 7x - 9$$

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1. $3x^2 - 3$

2. $2x^2 + 7x$

3. $-r - s$

4. $x^3 + 4x^2 + 21x$

5. $9x - 33$

6. $6x^2 + 7x - 13$

7. $-x + 8$

8. $-8x^2 + 6x - 5$

Homework Answers

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1)



$$6x - 12$$

$$2x^2 - 4x + 2$$

A. Find the perimeter of the rectangle

$$P = W + W + L + L \quad \text{OR} \quad P = 2L + 2W$$

$$P = \underline{6x-12} + \underline{6x-12} + \underline{2x^2-4x+2} + \underline{2x^2-4x+2}$$

$$4x^2 + 4x - 20 \quad \left| \begin{array}{l} P = 2(2x^2 - 4x + 2) + 2(6x - 12) \\ P = 4x^2 - 8x + 4 + 12x - 24 \end{array} \right.$$

B. Find the area of the rectangle if $x = 3$ $P = 4x^2 + 4x - 20$ 

$$6x - 12$$

$$6(3) - 12$$

$$18 - 12$$

$$6$$

$$2x^2 - 4x + 2$$

$$2(3)^2 - 4(3) + 2$$

$$18 - 12 + 2$$

$$8$$



$$6$$

$$8$$

$$A = lw$$

$$A = 8 \cdot 6$$

$$A = 48$$

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