

P. 309

Adding Polynomials

Oct 8

6. $(2a + 5a - 6b + 8b - 2c + 3c)$

$= 7a + 2b + c$

9. $(3x^2 + 5x - 4) + (x^2 - 7x + 2)$

$= 4x^2 - 2x - 2$

11. $(2y^3 - 3y^2 - 1) + (-5y^2 - 4y^3 + 3)$

$= -3y^3 - 8y^2 + 2$

25.

$$12(x+1)$$



Perimeter = $(5x+3) + (3x+2) + (4x+7)$

$$P = 12x + 12$$

b) $P = 12(4) + 12 \rightarrow P = 60 \text{ cm}$
 $P = 48 + 12$

p. 34-12 Subtracting Polynomials

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

$$- (3x - 5) - 1x - 2$$

$$= 2x - 7$$

7. $(x+4) - 1(-x-3)$

$$= x+4 + x+3$$

$$= 2x + 7$$

15.

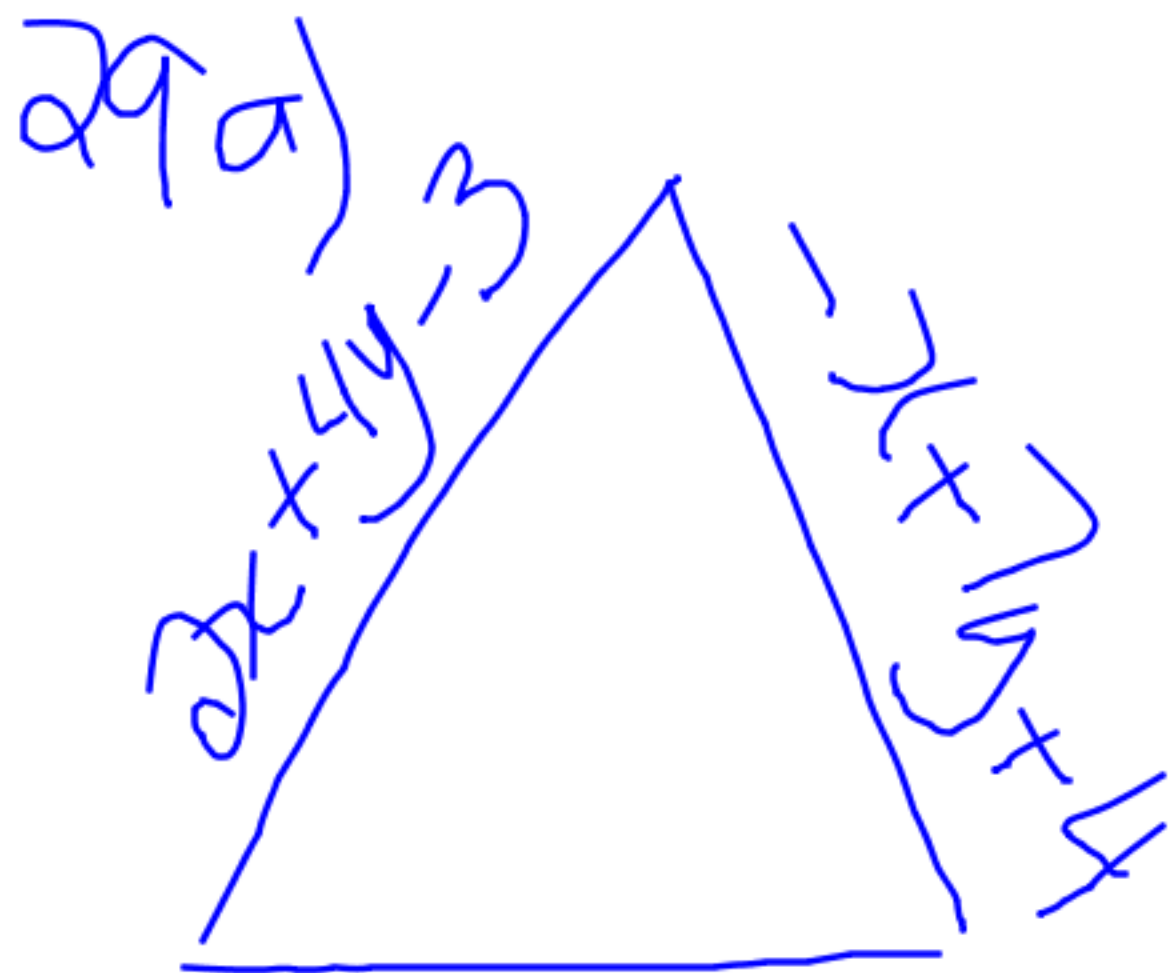
18. Subtract

$3x^2 + 7x - 3$ from $2x^2 - 2x + 3$

$$\begin{aligned} & (2x^2 - 2x + 3) - (3x^2 + 7x - 3) \\ &= \boxed{2x^2} - \boxed{2x} + \boxed{3} - \boxed{3x^2} - \boxed{7x} + \boxed{3} \\ &= -1x^2 - 9x + 6 \end{aligned}$$

$$\begin{aligned} 21. & (-5n^2 - n - 8) - (-2n^2 + 7n - 3) \\ &= -5n^2 - n - 8 + 2n^2 - 7n + 3 \\ &= -3n^2 - 8n - 5 \end{aligned}$$

$\Rightarrow 24$



$$P = \underline{5x + 3y - 2}$$

Missing Side = Perimeter - (Side 1 + Side 2)

$$M.S. = 5x + 3y - 2 - (2x + 4y - 3 + x + y + 4)$$

$$M.S. = 5x + 3y - 2 - (3x + 5y + 1)$$

$$M.S. = 5x + 3y - 2 - 3x - 5y - 1$$

$$M.S. = 2x - 2y - 3$$

→ finish hw for adding
polynomials

→ hw Pg 311-312