

Ch8 Exercices corrigés

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$$A = 5 + (2x + 3) = 5 + 2x + 3 = 2x + 5 + 3 = 2x + 8$$

$$B = 5x - (3 - 4x) = 5x - 3 + 4x = 5x + 4x - 3 = 9x - 3$$

$$C = (x - 4) - 6 = x - 4 - 6 = x - 10$$

$$D = (4x + 2) + (-6x - 2) = 4x + 2 - 6x - 2$$

$$D = 4x - 6x + 2 - 2 = -2x$$

$$E = -(-3x - 1) + (x - 3) = 3x + 1 + x - 3 = 3x + x + 1 - 3 = 4x - 2$$

$$F = 8x - (5x + 2) + (3 - 4x) = 8x - 5x - 2 + 3 - 4x$$

$$F = 8x - 5x - 4x - 2 + 3 = -x + 1$$

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$$a) 5x + 3x = (5 + 3)x = 8x$$

$$b) 3x - 8x = (3 - 8)x = -5x$$

$$c) -4x + 15x = (-4 + 15)x = 11x$$

$$d) -9x - 6x = (-9 - 6)x = -15x$$

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$12x - y + 2 \rightarrow$ on ne peut simplifier davantage

$$7y + 12 - 13y = 7y - 13y + 12 = -6y + 12$$

$$10 - 8d + 3 = -8d + 10 + 3 = -8d + 13$$

$$8 - x + x^2 + 5x = x^2 - x + 5x + 8 = x^2 + 4x + 8$$

$$3t - 12t + t^2 - 7 = t^2 + 3t - 12t - 7 = t^2 - 9t - 7$$

$$a^2 + b - a + 3b = a^2 - a + b + 3b = a^2 - a + 4b$$

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$$A = 3(x + 6) = 3x + 18$$

$$B = 5(6 - y) = 30 - 5y$$

$$C = -7(2z - 3) = -14z + 21$$

$$D = -8(-5 - 3y) = 40 + 24y$$

$$E = 6(4x - 9) = 24x - 54$$

$$F = -12(-5 + 3z) = 60 - 36z$$

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$$A = (x + 4)(x + 3) = x^2 + 3x + 4x + 12 = x^2 + 7x + 12$$

$$B = (y + 3)(2y + 8) = 2y^2 + 8y + 6y + 24 = 2y^2 + 14y + 24$$

$$C = (3z + 4)(5 - 6z) = 15z - 18z^2 + 20 - 24z = -18z^2 - 9z + 20$$

$$D = (-7t + 8)(3 - 5t) = 35t^2 - 40t - 21t + 24 = 35t^2 - 61t + 24$$