

Solutions – Expanding Brackets (A)

Expand $4(-9c + 2)$.

$$-36c + 8$$

Expand $4(-4y^2 + 5c - 6)$.

$$-16y^2 + 20c - 24$$

Expand $4(c + 9)$.

$$4c + 36$$

Expand $3(6b + 5)$.

$$18b + 15$$

Expand $3(-4a^2 + x - 9)$.

$$-12a^2 + 3x - 27$$

Expand $5(c - 4)$.

$$5c - 20$$

Solutions – Expanding Brackets (B)

Expand $4(3b^2 + a - 3)$.

$$12b^2 + 4a - 12$$

Expand $4(-2c + 6)$.

$$-8c + 24$$

Expand $8(7a - 6)$.

$$56a - 48$$

Expand $9(-4x^2 + 5b + 8)$.

$$-36x^2 + 45b + 72$$

Expand $7(x - 9)$.

$$7x - 63$$

Expand $6(y + 6)$.

$$6y + 36$$

Solutions – Expanding Brackets (C)

Expand $9(5a^2 + y - 7)$.

$$45a^2 + 9y - 63$$

Expand $2(a - 3)$.

$$2a - 6$$

Expand $2(2y^2 - 3a - 3)$.

$$4y^2 - 6a - 6$$

Expand $7(x + 2)$.

$$7x + 14$$

Expand $6(-5b - 2)$.

$$-30b - 12$$

Expand $8(a - 4)$.

$$8a - 32$$

Solutions – Expanding Brackets (D)

Expand $6(5b^2 - 4y + 1)$.

$$30b^2 - 24y + 6$$

Expand $3(2a + 5)$.

$$6a + 15$$

Expand $5(-2c^2 - 5x + 8)$.

$$-10c^2 - 25x + 40$$

Expand $7(c + 4)$.

$$7c + 28$$

Expand $3(4c - 5)$.

$$12c - 15$$

Expand $5(c + 7)$.

$$5c + 35$$

Solutions – Expanding Brackets (E)

Expand $2(2c^2 - b - 3)$.

$$4c^2 - 2b - 6$$

Expand $4(b + 1)$.

$$4b + 4$$

Expand $9(-a^2 - 5x - 5)$.

$$-9a^2 - 45x - 45$$

Expand $2(8c - 7)$.

$$16c - 14$$

Expand $2(x - 1)$.

$$2x - 2$$

Expand $4(6y + 9)$.

$$24y + 36$$

Solutions – Expanding Brackets (F)

Expand $3(x - 5)$.

$$3x - 15$$

Expand $3(-b + 6)$.

$$-3b + 18$$

Expand $7(c^2 + 5a - 1)$.

$$7c^2 + 35a - 7$$

Expand $8(-5b - 1)$.

$$-40b - 8$$

Expand $7(b + 8)$.

$$7b + 56$$

Expand $6(-5y^2 - 5b - 7)$.

$$-30y^2 - 30b - 42$$

Solutions – Expanding Brackets (G)

Expand $5(x + 8)$.

$$5x + 40$$

Expand $8(-4x^2 + 4b - 3)$.

$$-32x^2 + 32b - 24$$

Expand $2(x^2 + a - 7)$.

$$2x^2 + 2a - 14$$

Expand $8(-7y - 5)$.

$$-56y - 40$$

Expand $6(a + 9)$.

$$6a + 54$$

Expand $5(7c + 9)$.

$$35c + 45$$

Solutions – Expanding Brackets (H)

Expand $2(b + 7)$.

$$2b + 14$$

Expand $9(-9y + 2)$.

$$-81y + 18$$

Expand $3(b^2 + 2a - 8)$.

$$3b^2 + 6a - 24$$

Expand $4(5b^2 - 4x - 1)$.

$$20b^2 - 16x - 4$$

Expand $4(c - 1)$.

$$4c - 4$$

Expand $4(-4a + 1)$.

$$-16a + 4$$

Solutions – Expanding Brackets (I)

Expand $2(b + 1)$.

$$2b + 2$$

Expand $5(-5c + 3)$.

$$-25c + 15$$

Expand $8(c + 3)$.

$$8c + 24$$

Expand $9(4b^2 + c + 5)$.

$$36b^2 + 9c + 45$$

Expand $2(5y - 7)$.

$$10y - 14$$

Expand $5(c^2 + 5y + 6)$.

$$5c^2 + 25y + 30$$

Solutions – Expanding Brackets (J)

Expand $5(9b - 3)$.

$$45b - 15$$

Expand $5(8b + 4)$.

$$40b + 20$$

Expand $6(y - 4)$.

$$6y - 24$$

Expand $6(y^2 - c + 2)$.

$$6y^2 - 6c + 12$$

Expand $5(-2c^2 - 3a + 9)$.

$$-10c^2 - 15a + 45$$

Expand $3(y + 6)$.

$$3y + 18$$