

حلل العبارات الآتية :

أ ($2x^3 - x$) ؛ ب ($2x^3 - 3x^2 + 6x$) ؛ ج ($2x(x-1) + (3x+2)(x-1)$) ؛ د ($x^2 - 0,49$)
الحل :

$$\text{أ (} 2x^3 - x = x(2x^2 - 1) = x[(\sqrt{2}x)^2 - 1] = x(\sqrt{2}x - 1)(\sqrt{2}x + 1) \text{)}$$

$$\text{ب (} 2x^3 - 3x^2 + 6x = x(x^2 - 3x + 6) \text{)}$$

$$\text{ج (} 2x(x-1) + (3x+2)(x-1) = (x-1)(2x+3x+2) = (x-1)(5x+2) \text{)}$$

$$\text{د (} x^2 - 0,49 = (x-0,7)(x+0,7) \text{)}$$