
L/Obj : Expanding and factorising expressions

1. Expand the following :

(a) $3(x + 4) = \dots\dots\dots$ (b) $x(x - 3) = \dots\dots\dots$

(c) $2x(x + 1) = \dots\dots\dots$ (d) $x^2(2 - x) = \dots\dots\dots$

2. Expand and simplify the following :

(a) $3(x + 2) + 4 = \dots\dots\dots$

(b) $4(a + 5) - 2a + 1 = \dots\dots\dots$

(c) $2(m + 3) + 4(m - 1) = \dots\dots\dots$

3. Factorise fully the expression : $3a + 12$

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4. Factorise fully the expression : $6m - 15m^2$

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5. Factorise fully the expression : $30m + 12m^3$

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