

1) If $2x^2(-3x^3 + 2cx^2 + x) = 2x^3 + 12x^4 - 6x^5$, determine the value of c .

2) If $(2 + 4x^2 + ux)(-vx + 4) = -16x^3 - wx^2 + 16x + 8$, find the value of $\frac{uv}{w}$.

3) If $-p^3x^2(-p^3x^5 + r^2x^2)$, what are the values of p and r ?

4) If $(y + x^3)(x^4 - z)$, find the values of y and z .

5) Determine the values of m and n , if $(mx^6 + x^7)(5x - mn) = 5x^8 - 20x^6$.

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Unknowns

1) If $2x^2(-3x^3 + 2cx^2 + x) = 2x^3 + 12x^4 - 6x^5$, determine the value of c .

$c = 3$

2) If $(2 + 4x^2 + ux)(-vx + 4) = -16x^3 - wx^2 + 16x + 8$, find the value of $\frac{uv}{w}$.

$u = 6, v = 4,$

3) If $-p^3x^2(-p^3x^5 + q^2x^2)$, what are the values of p and q ?

$p = 2, q = 3$

4) If $(y + x^3)(x^4 - z)$, find the values of y and z .

$y = 2, z = 6$

5) Determine the values of m and n , if $(mx^6 + x^7)(5x - mn) = 5x^8 - 20x^6$.

$m = 2, n = 5$ or $m = -2, n = 5$

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