



Factor Polynomials (Order 4) - As Quadratic (No Hint), Coefficient N

1 Factor this higher order polynomial

$$16w^4 + 32w^2 + 12$$

A $(4w^2 + 6)(4w^2 + 2)$

B $(12w^2 - 6)(w^2 + 2)$

2 Factor this higher order polynomial

$$25y^4 - 70y^2 + 45$$

A $(25y^2 + 5)(25y^2 + 9)$

B $(5y^2 - 5)(5y^2 - 9)$

3 Factor this higher order polynomial

$$9r^4 - 36$$

A $(3r^2 + 6)(3r^2 - 6)$

B $(9r^2 - 8)(9r^2 + 6)$

4 Factor this higher order polynomial

$$81z^4 + 99z^2 + 24$$

A $(9z^2 + 8)(9z^2 + 3)$

B $(24z^2 + 8)(z^2 - 3)$

5 Factor this higher order polynomial

$$64n^4 - 104n^2 + 42$$

A $(8n^2 - 6)(8n^2 - 7)$

B $(64n^2 - 6)(64n^2 - 7)$

6 Factor this higher order polynomial $49n^4 - 14n^2 - 8$

A $(7n^2 - 4)(7n^2 + 2)$

B $(8n^2 - 4)(n^2 + 2)$

7 Factor this higher order polynomial

$$81p^4 + 99p^2 + 30$$

A $(81p^2 + 6)(81p^2 - 5)$

B $(9p^2 + 6)(9p^2 + 5)$

8 Factor this higher order polynomial

$$16x^4 + 36x^2 + 20$$

A $(16x^2 + 4)(16x^2 - 5)$

B $(4x^2 + 4)(4x^2 + 5)$