



Factor Polynomials (Order 4) - As Quadratic (True/False), Coefficient 1

1

Is this factoring step correct?

$$m^4 + 6m^2 + 8 = (m^2 + 2)(m^2 + 4)$$

A

B

Yes

No

2

Is this factoring step correct?

$$n^4 - 49 = (n^2 + 7)(n^2 - 7)$$

A

B

Yes

No

3

Is this factoring step correct?

$$q^4 - 5q^2 - 36 = (q^2 - 9)(q^2 + 4)$$

A

B

Yes

No

4

Is this factoring step correct?

$$p^4 - 12p^2 + 35 = (p^2 - 5)(p^2 - 7)$$

A

B

Yes

No

5

Is this factoring step correct?

$$w^4 - 9w^2 + 20 = (20w^2 + 5)(w^2 - 4)$$

A

B

No

Yes

6

Is this factoring step correct?

$$y^4 - 36 = (y^2 + 12)(y^2 - 12)$$

A

B

No

Yes

7

Is this factoring step correct?

$$w^4 - 13w^2 + 40 = (w^2 - 8)(40w^2 + 5)$$

A

B

No

Yes

8

Is this factoring step correct?

$$n^4 + 4n^2 - 45 = (n^2 - 5)(n^2 + 9)$$

A

B

Yes

No