



Factor Polynomials (Order 3) - By Grouping, Order 2 Factors to Order 1 Factors, Coefficient 1 (True/False)

1

Is this factoring step correct?

$$(z-3)(z^2-25) = (z-3)(z-5)(z+5)$$

A

B

No

Yes

2

Is this factoring step correct?

$$(r-3)(r^2-36) = (r-3)(r+6)(r-6)$$

A

B

Yes

No

3

Is this factoring step correct?

$$(z-6)(z^2-16) = (z-6)(z-4)(z+4)$$

A

B

No

Yes

4

Is this factoring step correct?

$$(w-2)(w^2-36) = (w+2)(w-6)(w-6)$$

A

B

No

Yes

5

Is this factoring step correct?

$$(m+6)(m^2-16) = (m+6)(m-4)(m+4)$$

A

B

Yes

No

6

Is this factoring step correct?

$$(m+2)(m^2-36) = (m-2)(m+6)(m-6)$$

A

B

No

Yes

7

Is this factoring step correct?

$$(m-2)(m^2-9) = (m+2)(m+3)(m-3)$$

A

B

No

Yes

8

Is this factoring step correct?

$$(y-5)(y^2-16) = (y-5)(y-4)(y-4)$$

A

B

No

Yes