



Factor Polynomials (Order 3) - Sum of Cubes (True/False), Coefficient N

1

Is this factoring step correct?

$$64q^3 + 27 = (4q + 3)(16q^2 - 12q + 9)$$

A

B

Yes

No

2

Is this factoring step correct?

$$64q^3 + 27 = (4q + 64)(16q^2 - 12q + 9)$$

A

B

No

Yes

3

Is this factoring step correct?

$$216p^3 - 8 = (6p + 2)(12p^2 - 36p + 4)$$

A

B

No

Yes

4

Is this factoring step correct?

$$216y^3 - 64 = (6y + 216)(36y^2 - 24y + 16)$$

A

B

No

Yes

5

Is this factoring step correct?

$$64m^3 - 125 = (4m + 5)(16m^2 - 20m + 25)$$

A

B

No

Yes

6

Is this factoring step correct?

$$64w^3 - 216 = (4w - 6)(16w^2 + 24w - 36)$$

A

B

Yes

No

7

Is this factoring step correct?

$$8w^3 + 27 = (2w + 8)(4w^2 - 6w + 9)$$

A

B

No

Yes

8

Is this factoring step correct?

$$8y^3 + 64 = (2y + 4)(4y^2 - 8y + 16)$$

A

B

Yes

No