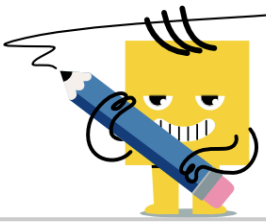
Name



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

1

Is this factoring step correct?

$q^3 - 6q^2 - 4q + 24$
$= q^2(q-4) - 4(q-4)$

A	B
No	Yes

2

Is this factoring step correct?

$w^3 + 2w^2 + 9w + 18$
$= w^2(w+2) + 9(w+2)$

A	B
Yes	No

3

Is this factoring step correct?

$q^3 + 6q^2 + 5q + 30$
$= q^2(q+6) + 5(q+6)$

A	B
Yes	No

4

Is this factoring step correct?

$z^3 + 4z^2 + 2z + 8$
$= z^2(z-4) - 14(z-4)$

A	B
No	Yes

5

Is this factoring step correct?

$x^3 + 2x^2 + 6x + 12$
$= x^2(x-2) - 30(x-2)$

A	B
No	Yes

6

Is this factoring step correct?

$r^3 - 7r^2 + 6r - 42$
$= r^2(r-7) + 6(r-7)$

A	B
Yes	No

7

Is this factoring step correct?

$t^3 - 6t^2 + 2t - 12$
$= t^2(t-6) + 2(t-6)$

A	B
Yes	No

8

Is this factoring step correct?

$p^3 - 3p^2 + 4p - 12$
$= p^2(p-3) + 4(p-3)$

A	B
Yes	No