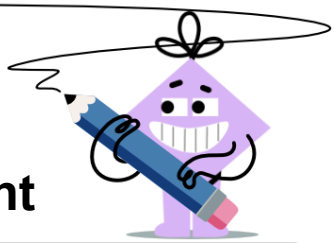
Name



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

1

Is this factoring step correct?

$n^3 + 5n^2 + 9n + 45$
$= (n + 5)(n^2 + 9)$

A	B
Yes	No

2

Is this factoring step correct?

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

A	B
No	Yes

3

Is this factoring step correct?

$q^3 + 5q^2 + 2q + 10$
$= (q - 5)(q^2 - 2)$

A	B
No	Yes

4

Is this factoring step correct?

$r^3 - 7r^2 - 9r + 63$
$= (r - 7)(r^2 + 9)$

A	B
No	Yes

5

Is this factoring step correct?

$w^3 + 3w^2 + 8w + 24$
$= (w + 3)(w^2 - 8)$

A	B
No	Yes

6

Is this factoring step correct?

$m^3 - 8m^2 + 6m - 48$
$= (m + 8)(m^2 - 48)$

A	B
No	Yes

7

Is this factoring step correct?

$w^3 + 4w^2 + 5w + 20$
$= (w - 4)(w^2 - 5)$

A	B
No	Yes

8

Is this factoring step correct?

$m^3 + 5m^2 + 2m + 10$
$= (m + 5)(m^2 + 2)$

A	B
Yes	No