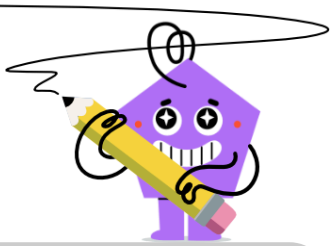
Name

Factor Polynomials (Order 3) - Sum of Cubes (No Hint), Coefficient 1



1

Use the sum of cubes formula to factor this polynomial

$n^3 + 64$

A $(n-4)(n^2-4n+16)$

B $(n+4)(n^2-4n+16)$

2

Use the sum of cubes formula to factor this polynomial

$t^3 - 27$

A $(t+3)(t^2+3t-9)$

B $(t-3)(t^2+3t-9)$

3

Use the sum of cubes formula to factor this polynomial

$z^3 + 27$

A $(z+3)(z^2-3z+9)$

B $(z-3)(z^2-3z+9)$

4

Use the sum of cubes formula to factor this polynomial

$z^3 - 64$

A $(z-4)(z^2+4z-16)$

B $(z-4)(z^2-4z+16)$

5

Use the sum of cubes formula to factor this polynomial

$r^3 + 64$

A $(r+4)(r^2-4r+16)$

B $(r-3)(r^2-4r+16)$

6

Use the sum of cubes formula to factor this polynomial

$t^3 - 216$

A $(t-6)(t^2+6t-36)$

B $(t+6)(t^2+6t-36)$

7

Use the sum of cubes formula to factor this polynomial

$w^3 - 125$

A $(w+5)(w^2+5w-25)$

B $(w-5)(w^2+5w-25)$

8

Use the sum of cubes formula to factor this polynomial

$r^3 + 27$

A $(r+3)(3r^2+3r-9)$

B $(r+3)(r^2-3r+9)$