Factor: $x^3 - 27$

Factor: $125x^3 - 8$

Factor: $4x^3 - 256$

Factor: $125x^3 + 216$

Factor: $x^3 - 1$

Factor: $8x^3 + 27$

Factor: $3x^3 + 24$

Factor: $125x^3 + 1$

Factoring Sums & Differences of Cubes · 2

ANSWER

$$(5x - 2)(25x^2 + 10x + 4)$$

Factoring Sums & Differences of Cubes · 1

ANSWER

$$(x - 3)(x^2 + 3x + 9)$$

Factoring Sums & Differences of Cubes · 4

ANSWER

$$(5x + 6)(25x^2 - 30x + 36)$$

Factoring Sums & Differences of Cubes · 3

ANSWER

$$4(x - 4)(x^2 + 4x + 16)$$

Factoring Sums & Differences of Cubes · 6

ANSWER

$$(2x + 3)(4x^2 - 6x + 9)$$

Factoring Sums & Differences of Cubes · 5

ANSWER

$$(x - 1)(x^2 + x + 1)$$

Factoring Sums & Differences of Cubes · 8

ANSWER

$$(5x + 1)(25x^2 - 5x + 1)$$

Factoring Sums & Differences of Cubes · 7

ANSWER

$$3(x + 2)(x^2 - 2x + 4)$$

Factor: $x^3 - 8$

Factor: $125x^3 - 1$

Factor: $5x^3 - 625$

Factor: $64x^3 - 27$

Factor: $x^3 - 125$

Factor: $125x^3 - 64$

Factor: $2x^3 + 432$

Factor: $8x^3 + 1$

Factoring Sums & Differences of Cubes · 10

ANSWER

$$(5x - 1)(25x^2 + 5x + 1)$$

Factoring Sums & Differences of Cubes · 9

ANSWER

$$(x - 2)(x^2 + 2x + 4)$$

Factoring Sums & Differences of Cubes · 12

ANSWER

$$(4x - 3)(16x^2 + 12x + 9)$$

Factoring Sums & Differences of Cubes · 11

ANSWER

$$5(x - 5)(x^2 + 5x + 25)$$

Factoring Sums & Differences of Cubes · 14

ANSWER

$$(5x - 4)(25x^2 + 20x + 16)$$

Factoring Sums & Differences of Cubes · 13

ANSWER

$$(x - 5)(x^2 + 5x + 25)$$

Factoring Sums & Differences of Cubes · 16

ANSWER

$$(2x + 1)(4x^2 - 2x + 1)$$

Factoring Sums & Differences of Cubes · 15

ANSWER

$$2(x + 6)(x^2 - 6x + 36)$$

Factor: $5x^3 - 40$

Factor: $8x^3 - 27y^3$

Factor: $27x^3 + 64$

Factor: $x^3 + 8y^3$

Factor: $5x^3 - 5$

Factor: $8x^3 - 125$

Factor: $-2x^3 + 16$

Factor: $x^3 + 216$

Factoring Sums & Differences of Cubes · 18

ANSWER

$$(2x - 3y)(4x^2 + 6xy + 9y^2)$$

Factoring Sums & Differences of Cubes · 17

ANSWER

$$5(x - 2)(x^2 + 2x + 4)$$

Factoring Sums & Differences of Cubes · 20

ANSWER

$$(x + 2y)(x^2 - 2xy + 4y^2)$$

Factoring Sums & Differences of Cubes · 19

ANSWER

$$(3x + 4)(9x^2 - 12x + 16)$$

Factoring Sums & Differences of Cubes · 22

ANSWER

$$(2x - 5)(4x^2 + 10x + 25)$$

Factoring Sums & Differences of Cubes · 21

ANSWER

$$5(x - 1)(x^2 + x + 1)$$

Factoring Sums & Differences of Cubes · 24

ANSWER

$$(x + 6)(x^2 - 6x + 36)$$

Factoring Sums & Differences of Cubes · 23

ANSWER

$$-2(x - 2)(x^2 + 2x + 4)$$