Factoring by Grouping · 1

Factor: $8x^3 + 10x^2 - 28x - 35$

Factoring by Grouping · 2

Factor: $6x^3 - 21x^2 + 2x - 7$

Factoring by Grouping · 3

Factor: $12x^3 - 9x^2 + 20x - 15$

Factoring by Grouping · 4

Factor: $3x^3 - 7x^2 + 18x - 42$

Factoring by Grouping · 5

Factor: $x^3 - 3x^2 + x - 3$

Factoring by Grouping · 6

Factor: $6x^3 + 8x^2 - 3x - 4$

Factoring by Grouping · 7

Factor: $4x^3 - 6x^2 + 2x - 3$

Factoring by Grouping · 8

Factor: $9x^3 + 12x^2 + 15x + 20$

Factoring by Grouping · 2

ANSWER

$(3x^2 + 1)(2x - 7)$

Factoring by Grouping · 1

ANSWER

$(2x^2 - 7)(4x + 5)$

Factoring by Grouping · 4

ANSWER

$(x^2 + 6)(3x - 7)$

Factoring by Grouping · 3

ANSWER

$(3x^2 + 5)(4x - 3)$

Factoring by Grouping · 6

ANSWER

$(2x^2 - 1)(3x + 4)$

Factoring by Grouping · 5

ANSWER

$(x^2 + 1)(x - 3)$

Factoring by Grouping · 8

ANSWER

$(3x^2 + 5)(3x + 4)$

Factoring by Grouping · 7

ANSWER

$(2x^2 + 1)(2x - 3)$

Factoring by Grouping · 9

Factor: $6x^3 + 2x^2 - 3x - 1$

Factoring by Grouping · 10

Factor: $2x^3 - 5x^2 - 14x + 35$

Factoring by Grouping · 11

Factor: $8x^3 - 18x^2 + 4x - 9$

Factoring by Grouping · 12

Factor: $12x^3 - 9x^2 - 20x + 15$

Factoring by Grouping · 13

Factor: $2x^3 - 16x^2 - 5x + 40$

Factoring by Grouping · 14

Factor: $12x^3 + 9x^2 + 4x + 3$

Factoring by Grouping · 15

Factor: $9x^3 - 21x^2 - 6x + 14$

Factoring by Grouping · 16

Factor: $4x^3 - 5x^2 - 24x + 30$

Factoring by Grouping · 10

ANSWER

$(x^2 - 7)(2x - 5)$

Factoring by Grouping · 9

ANSWER

$(2x^2 - 1)(3x + 1)$

Factoring by Grouping · 12

ANSWER

$(3x^2 - 5)(4x - 3)$

Factoring by Grouping · 11

ANSWER

$(2x^2 + 1)(4x - 9)$

Factoring by Grouping · 14

ANSWER

$(3x^2 + 1)(4x + 3)$

Factoring by Grouping · 13

ANSWER

$(2x^2 - 5)(x - 8)$

Factoring by Grouping · 16

ANSWER

$(x^2 - 6)(4x - 5)$

Factoring by Grouping · 15

ANSWER

$(3x^2 - 2)(3x - 7)$

Factoring by Grouping · 17

Factor: $3x^3 + x^2 + 9x + 3$

Factoring by Grouping · 18

Factor: $x^3 - 4x^2 - 5x + 20$

Factoring by Grouping · 19

Factor: $6x^3 - 2x^2 - 21x + 7$

Factoring by Grouping · 20

Factor: $2x^3 - 14x^2 + 7x - 49$

Factoring by Grouping · 21

Factor: $2x^3 + 10x^2 + x + 5$

Factoring by Grouping · 22

Factor: $2x^3 - 4x^2 + x - 2$

Factoring by Grouping · 23

Factor: $4x^3 - 10x^2 + 10x - 25$

Factoring by Grouping · 24

Factor: $8x^3 + 14x^2 - 20x - 35$

Factoring by Grouping · 18

ANSWER

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

Factoring by Grouping · 17

ANSWER

$(x^2 + 3)(3x + 1)$

Factoring by Grouping · 20

ANSWER

$(2x^2 + 7)(x - 7)$

Factoring by Grouping · 19

ANSWER

$(2x^2 - 7)(3x - 1)$

Factoring by Grouping · 22

ANSWER

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

Factoring by Grouping · 21

ANSWER

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

Factoring by Grouping · 24

ANSWER

$(2x^2 - 5)(4x + 7)$

Factoring by Grouping · 23

ANSWER

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