Factoring by Grouping · 1

Factor: $9x^3 + 6x^2 + 6x + 4$

Factoring by Grouping · 2

Factor: $x^3 + 6x^2 + 3x + 18$

Factoring by Grouping · 3

Factor: $9x^3 + 3x^2 - 24x - 8$

Factoring by Grouping · 4

Factor: $8x^3 - 14x^2 + 36x - 63$

Factoring by Grouping · 5

Factor: $12x^3 - 9x^2 - 8x + 6$

Factoring by Grouping · 6

Factor: $6x^3 - 27x^2 + 8x - 36$

Factoring by Grouping · 7

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

Factoring by Grouping · 8

Factor: $4x^3 - 7x^2 - 12x + 21$

Factoring by Grouping · 2

ANSWER

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

Factoring by Grouping · 1

ANSWER

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

Factoring by Grouping · 4

ANSWER

$(2x^2 + 9)(4x - 7)$

Factoring by Grouping · 3

ANSWER

$(3x^2 - 8)(3x + 1)$

Factoring by Grouping · 6

ANSWER

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

Factoring by Grouping · 5

ANSWER

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

Factoring by Grouping · 8

ANSWER

$(x^2 - 3)(4x - 7)$

Factoring by Grouping · 7

ANSWER

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

Factoring by Grouping · 9

Factor: $2x^3 - 16x^2 + 9x - 72$

Factoring by Grouping · 10

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

Factoring by Grouping · 11

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

Factoring by Grouping · 12

Factor: $2x^3 + 9x^2 - 14x - 63$

Factoring by Grouping · 13

Factor: $9x^3 + 21x^2 + 12x + 28$

Factoring by Grouping · 14

Factor: $2x^3 - 12x^2 + 5x - 30$

Factoring by Grouping · 15

Factor: $12x^3 - 21x^2 - 16x + 28$

Factoring by Grouping · 16

Factor: $3x^3 + x^2 + 24x + 8$

Factoring by Grouping · 10

ANSWER

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

Factoring by Grouping · 9

ANSWER

$(2x^2 + 9)(x - 8)$

Factoring by Grouping · 12

ANSWER

$(x^2 - 7)(2x + 9)$

Factoring by Grouping · 11

ANSWER

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

Factoring by Grouping · 14

ANSWER

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

Factoring by Grouping · 13

ANSWER

$(3x^2 + 4)(3x + 7)$

Factoring by Grouping · 16

ANSWER

$(x^2 + 8)(3x + 1)$

Factoring by Grouping · 15

ANSWER

$(3x^2 - 4)(4x - 7)$

Factoring by Grouping · 17

Factor: $4x^3 + 2x^2 - 2x - 1$

Factoring by Grouping · 18

Factor: $3x^3 - 7x^2 + 12x - 28$

Factoring by Grouping · 19

Factor: $6x^3 - 15x^2 - 8x + 20$

Factoring by Grouping · 20

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

Factoring by Grouping · 21

Factor: $8x^3 + 18x^2 + 12x + 27$

Factoring by Grouping · 22

Factor: $4x^3 - 3x^2 - 32x + 24$

Factoring by Grouping · 23

Factor: $6x^3 + 9x^2 + 16x + 24$

Factoring by Grouping · 24

Factor: $3x^3 - 6x^2 + 8x - 16$

Factoring by Grouping · 18

ANSWER

$(x^2 + 4)(3x - 7)$

Factoring by Grouping · 17

ANSWER

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

Factoring by Grouping · 20

ANSWER

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

Factoring by Grouping · 19

ANSWER

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

Factoring by Grouping · 22

ANSWER

$(x^2 - 8)(4x - 3)$

Factoring by Grouping · 21

ANSWER

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

Factoring by Grouping · 24

ANSWER

$(3x^2 + 8)(x - 2)$

Factoring by Grouping · 23

ANSWER

$(3x^2 + 8)(2x + 3)$