Factoring by Grouping · 1

Factor: $2x(x - 6) - 9(x - 6)$

Factoring by Grouping · 2

Factor: $x^3 + 5x^2 - 6x - 30$

Factoring by Grouping · 3

Factor: $4x(x - 3) + 5(x - 3)$

Factoring by Grouping · 4

Factor: $x^3 - 4x^2 - 7x + 28$

Factoring by Grouping · 5

Factor: $x(x - 2) + 3(x - 2)$

Factoring by Grouping · 6

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

Factoring by Grouping · 7

Factor: $x(x - 1) - 8(x - 1)$

Factoring by Grouping · 8

Factor: $x^3 + 6x^2 - 7x - 42$

Factoring by Grouping · 2

ANSWER

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

Factoring by Grouping · 1

ANSWER

$(2x - 9)(x - 6)$

Factoring by Grouping · 4

ANSWER

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

Factoring by Grouping · 3

ANSWER

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

Factoring by Grouping · 6

ANSWER

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

Factoring by Grouping · 5

ANSWER

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

Factoring by Grouping · 8

ANSWER

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

Factoring by Grouping · 7

ANSWER

$(x - 8)(x - 1)$

Factoring by Grouping · 9

Factor: $4x(x + 9) - (x + 9)$

Factoring by Grouping · 10

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

Factoring by Grouping · 11

Factor: $2x(x - 1) - 3(x - 1)$

Factoring by Grouping · 12

Factor: $x^3 + 6x^2 + 5x + 30$

Factoring by Grouping · 13

Factor: $x(x + 2) - 6(x + 2)$

Factoring by Grouping · 14

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

Factoring by Grouping · 15

Factor: $4x(x - 2) - 9(x - 2)$

Factoring by Grouping · 16

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

Factoring by Grouping · 10

ANSWER

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

Factoring by Grouping · 9

ANSWER

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

Factoring by Grouping · 12

ANSWER

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

Factoring by Grouping · 11

ANSWER

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

Factoring by Grouping · 14

ANSWER

$(x^2 - 6)(x - 1)$

Factoring by Grouping · 13

ANSWER

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

Factoring by Grouping · 16

ANSWER

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

Factoring by Grouping · 15

ANSWER

$(4x - 9)(x - 2)$

Factoring by Grouping · 17

Factor: $x^3 + 6x^2 + 7x + 42$

Factoring by Grouping · 18

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

Factoring by Grouping · 19

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

Factoring by Grouping · 20

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

Factoring by Grouping · 21

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

Factoring by Grouping · 22

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

Factoring by Grouping · 23

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

Factoring by Grouping · 24

Factor: $4x(x - 4) - (x - 4)$

Factoring by Grouping · 18

ANSWER

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

Factoring by Grouping · 17

ANSWER

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

Factoring by Grouping · 20

ANSWER

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

Factoring by Grouping · 19

ANSWER

$(x^2 + 1)(x - 6)$

Factoring by Grouping · 22

ANSWER

$(x^2 + 6)(x + 1)$

Factoring by Grouping · 21

ANSWER

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

Factoring by Grouping · 24

ANSWER

$(4x - 1)(x - 4)$

Factoring by Grouping · 23

ANSWER

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