

Factoring Expressions by Grouping

Name _____

Date _____ Period _____

Factor the following expressions by grouping:

$$10x^3 + 20x^2 + x + 2$$

Factor the following expressions by grouping:

$$x^3 + 3x^2 - 10x - 30$$

Factor the following expressions by grouping:

$$2x^3 - 5x^2 + 18x - 45$$

Factor the following expressions by grouping:

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

Factor the following expressions by grouping:

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