

Factor the following expressions by grouping:

$$x^3 + 4x^2 + 3x + 12$$

Factor the following expressions by grouping:

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

Factor the following expressions by grouping:

$$28a^3 + 16a^2 - 21a - 12$$

Factor the following expressions by grouping:

$$8a^2b^2 - 4b^2 + 14a^2 - 7$$

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