

Choose any five problems that are connected below (they can be in a line vertically, horizontally, or diagonally). Once selected, factor each polynomial. Write your answer in the same space as the problem. Do any scratch work needed on the back.

| B | I | N | G | O |
|-----------------|----------------|----------------|-----------------|----------------|
| $x^2 + 10x$ | $x^2 - 9x$ | $-2x^2 - 4x$ | $7x^2 - 21x$ | $4n^3 + 16n^2$ |
| $8x^2 + 24x$ | $18x^3 - 24x$ | $x^2 - 6x$ | $-2x^2 - 4x$ | $7x^2 - 21x$ |
| $-2x^2 - 4x$ | $3b^2 - 81b$ | $24x^3 - 32x$ | $10x^2 + 40x$ | $18x^2 + 12x$ |
| $27r^3 - 18r^2$ | $-30x^2 + 25x$ | $7x^2 - 21x$ | $3b^2 - 81b$ | $18x^3 - 24x$ |
| $7x^2 - 21x$ | $-2x^2 - 4x$ | $-30x^2 + 25x$ | $16n^3 + 20n^2$ | $8x^2 + 24x$ |