Evaluating Expressions Sorting Cards

These 24 cards were designed to assign students to groups of 4. As students enter the classroom, they will receive a card with an expression to evaluate. In this document, the cards in each row should evaluate to the same value. Students will evaluate the expression on their card and match up with those students whose cards evaluate to the same value.

You could also give these cards to students to evaluate. Students should sort them into piles that evaluate to the same value.

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Evaluate $3x - 2$ for $x = -7$	Evaluate $-x^2 + 2$ for $x = 5$	Evaluate $xy + 1$ for $x = 6$ and $y = -4$	Evaluate $-4x + 9$ for $x = 8$
Evaluate $x^3 + 1$ for $x = 2$	Evaluate $3x^2 + 2x - 7$ for $x = 2$	Evaluate $3(x-1) - 3$ for $x = 5$	Evaluate $|x| - 1$ for $x = -10$
Evaluate $7x - 21$ for $x = 3$	Evaluate $-x^2 + 25$ for $x = 5$	Evaluate $|x| - 8$ for $x = -8$	Evaluate $x^2 y^3 - 8$ for $x = 1$ and $y = 2$

Evaluate $3x + 15$ for $x = -1$	Evaluate $2(x^2 - x)$ for $x = 3$	Evaluate $-x^2 y$ for $x = -2$ and $y = -3$	Evaluate $2|x| - x^2 + 12$ for $x = 2$
Evaluate $x^3 - 5x - 6$ for $x = 2$	Evaluate $-x^2 - 2x + 7$ for $x = -5$	Evaluate $4(x-2) + 4$ for $x = -1$	Evaluate $-3|x| + x$ for $x = -2$
Evaluate $x^3 + 2x^2 - 2x$ for $x = 1$	Evaluate $4x^2 - y^2 + 1$ for $x = -2$ and $y = 4$	Evaluate $9x - 35$ for $x = 4$	Evaluate $4x^2 + 3x$ for $x = -1$