Algebraic Expressions

—— You are SMART! You are CAPABLE ——

Each week, Chris gets an allowance of \$12 plus \$4 for each chore he does. His younger sister Ana gets an allowance of \$8 plus \$3 per chore. Write an expression for how much their parents give Chris and Ana each week if they do the same number of chores.

Chris... ___ + ___c

Ana... ___ + ___c

Total... ___ + ___c

Simplify each expression.

$$(4x + \frac{1}{3}) + (11x - 3\frac{2}{3})$$

$$(-0.75x - 6) - (3.5x + 1.6)$$

$$\frac{x}{4} = \frac{3\frac{1}{3}}{4}$$

Simplify each expression.

$$0.5(4b - 12c) + 4c$$

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

Factor each expression.

- Taking a simplified expression and going in reverse.

3x + 3

9x - 15

_(x + ___)

___(__x - ___)

25x + 115

12x + 16y - 88

___(__x + ___)

__(__x + __y - __)