Evaluating Algebraic Expressions

Variable - a letter used to represent a number

Coefficient - the number attached to the variable

$3m$ $\qquad\qquad$ x $\qquad\qquad$ $-y$ $\qquad\qquad$ $\dfrac{x}{2}$

Algebraic Expression - a combination of numbers and variables using addition, subtraction, multiplication, division, exponents and roots

$18-3x$ $\qquad\qquad$ $\sqrt{5+2x}$ $\qquad\qquad$ x^2+7x-1 $\qquad\qquad$ $\dfrac{2x-1}{13}$

Directions: Evaluate each expression for $a=-1$, $b=-2$ and $c=-3$.

1. $a+(-b)$ $\qquad\qquad\qquad\qquad\qquad$ 2. $a-(-c)$

3. $-a+b$ $\qquad\qquad\qquad\qquad\qquad$ 4. $-a-(-b)$

5. $c+(-b)+(-a)+b$

6. $\dfrac{ab}{-c}$

7. $\dfrac{2c}{a+b+c}$