**ACSL**

**American Computer Science League**

#### Contest #2

**2014 - 2015**

### Intermediate Division

# 1. Prefix/Infix/Postfix

 Convert this infix expression into a prefix expression.

A2 + $\frac{2B}{C}$ + $\frac{A}{B+C}$ − $\frac{A}{B}$

 

**3. Bit-String Flicking**

 Evaluate the following expression:

10101 OR (NOT 01001) AND (10110 OR 01110)

1. **Prefix/Infix/Postfix**

Evaluate the following postfix expression if a = 3, b = -2, and c = 5

**a b - c / b ^ a - c 2 a \* 3 b \* - \* +**

**4. Bit-String Flicking**

 Evaluate the following expression:

(LCIRC-2(RSHIFT-1 01101)) OR (NOT(RCIRC-2(LSHIFT-1 01010)))

1. **LISP**

Evaluate the following LISP expression:

(ADD(ADD 2 3)(MULT 4 5)(SUB 6 2)(EXP 2 3))