

2016 - 2017

ACSL
American Computer Science League Contest #2

Elementary Division

1. Prefix/Infix/Postfix

Evaluate the following postfix expression:

$$8\ 4\ +\ 5\ 2\ -\ *\ 2\ /$$

2. Prefix/Infix/Postfix

Evaluate the following prefix expression:

$$+\ 8\ -\ *\ +\ 2\ 3\ +\ 7\ 1\ ^\ 5\ 2$$

3. Prefix/Infix/Postfix

Translate the following infix expression to prefix:

$$3\ +\ 4\ *\ 5\ -\ 6\ /\ 2$$

4. Prefix/Infix/Postfix

Translate the following infix expression to postfix:

$$((3\ +\ 4)\ *\ 5\ -\ (6\ +\ 4)\ /\ 2)\ ^\ 2$$

5. Prefix/Infix/Postfix

Translate the following prefix expression to postfix:

$$-\ /\ *\ +\ 7\ 5\ -\ 8\ 3\ 2\ ^\ 4\ 2$$