# ACSL

2018 - 2019

## **American Computer Science League**

Contest #2

#### **Elementary Division**

考号/Exam Code:	姓名 <b>/</b> Name:	学校/School:
1. Prefix/Infix/Postfix		1.
Evaluate the follo	owing prefix expression:	
	- * 5 3 / + / 6 2 * 7 3 2	
2. Prefix/Infix/Postfix		2.
Evaluate the follo		
	5 2 ^ 7 3 + 6 4 - * + 3 2 ^	
3. Prefix/Infix/Postfix		3.
Translate the follow	ving infix expression to postfix:	
	7 * (9 + 1 ^ 2 - 6 / 3)	
4. Prefix/Infix/Postfix		4.
Translate the following infix expression to postfix:		
	$\frac{2+6}{4} * \frac{8}{4-2} * 3^{7-5}$	
5. Prefix/Infix/Postfix		5.
Translate the following postfix expression to prefix:		
	93+745+*+41+2^	

# **ACSL**

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#### **Elementary Division**

考号/Exam Code:		学校/School:
1. Prefix/Infix/Postfix		1.
计算下述前缀表过		
	- * 5 3 / + / 6 2 * 7 3 2	
2. Prefix/Infix/Postfix	2.	
计算下述后缀表达		
	5 2 ^ 7 3 + 6 4 - * + 3 2	^/
3. Prefix/Infix/Postfix		3.
将下述中缀表达式转换为后缀表达式:		J.
	7 * (9 + 1 ^ 2 - 6 / 3)	
4. Prefix/Infix/Postfix	4.	
将下述中缀表达式转		
	$\frac{2+6}{4} * \frac{8}{4-2} * 3^{7-5}$	
5. Prefix/Infix/Postfix	5.	
将下述后缀表达式转		
	93+745+*+41+2^/	