

## UIL POLISH NOTATION EXAMPLES

Operators: +, -, \*, /, ^(power)

### INFIX

$$3 + 4 * 5 - 6$$

$$(3 + 4) * (5 - 6)$$

$$A - \frac{B}{C + D}$$

$$X = (((A * B) - (C / D)^E))$$

$$y = \frac{4}{3} \pi r^3$$

### PREFIX

$$- + 3 * 4 5 6$$

$$* + 3 4 - 5 6$$

$$- A / B + C D$$

$$= X - * A B ^ / C D E$$

$$= y ** / 4 3 \pi ^ r 3$$

### POSTFIX

$$3 4 5 * + 6 -$$

$$3 4 + 5 6 - *$$

$$A B C D + / -$$

$$X A B * C D / E ^ - =$$

$$y 4 3 / \pi * r 3 ^ * =$$

**General Rule of Thumb:** Operands stay in order, operators move