

NOTATION

1. Convert this infix expression into a prefix expression.

$$A^2 + B * (A - B)^2 - C / A * (B^2 - C)$$

$$- + \uparrow A 2 * B \uparrow - A B 2 * / C A - \uparrow B 2 C$$

2. Evaluate the following postfix expression:

$$2 3 9 + * 6 / 8 2 / 6 4 + * 5 / -$$

$$-4$$

3. Convert this infix expression into a postfix expression.

$$\frac{A^2 (B + C)}{A - C} + \frac{A + B}{C^2}$$

$$A 2 \uparrow B C + * A C - / A B + C 2 \uparrow / +$$

4. Evaluate this following prefix expression. All numbers are single digits.

$$+ + / * 3 \uparrow + 2 8 2 \uparrow 5 2 4 / * 6 8 * 4 3$$

$$20$$