**Chapter 5 Recursion & Problem Solving - Answers**

Top of Form

Bottom of Form

**Content**

**Answers**

**1. What is infix notation?**

Infix notation is the notation commonly used in mathematics and many programming languages where the operator is placed between its operands. For example, to indicate the sum of operands a and b, we write:

            a + b

**2. What is prefix notation?**

In prefix notation the operator is placed before its operands. For example, to indicate the sum of operands a and b, we write:

             + a  b

**3. What is postfix notation?**

In postfix notation the operator is placed after its operands. For example, to indicate the sum of operands a and b, we write:

             a  b +

**4. Which of these 3 notations is the most complex?**

Prefix and postfix expressions can be written without using parentheses, operator precedence rules or associativity rules.

Infix expressions are more complex. To completely specify the order of evaluation for operators, parentheses, operator precedence rules and/or associativity rules are often needed.