Activity Sheet 10

Manager name:

Recorder name:

Speaker name:

Section 5.3

1. Carry out the three different traversals in the following tree:

   Tree traversal practice

2. In this exercise we consider trees corresponding to algebraic expressions. The idea is that teach binary operator is represented by a node, whose children are the two operands. For example the expression $2 * (3 + 1/2)$ would be represented via the tree:

   Expression tree

   a. Create a similar tree for the expression $3 + (1 / (4 + 5))$

   b. If we wanted to evaluate the expression by traversing the tree, which of the three traversals would we follow?