@startuml
title Function Class and Nodes

clas

Function o– Node

Node ¡—— BinaryOperator
Node ¡—— UnaryOperator
Node ¡—— M$_a$ryOperator
$Node < | - - Symbol$

$BinaryOperator < | - - Plus$
$BinaryOperator < | - - Minus$
$UnaryOperator < | - - Negate$
$BinaryOperator < | - - Times$
$BinaryOperator < | - - Divide$
$UnaryOperator < | - - Exp$
$UnaryOperator < | - - Log$
$UnaryOperator < | - - Sine$
$UnaryOperator < | - - Cosine$
$M_a ryOperator < | - - UserDefined$

$Symbol < | - - Variable$
$Symbol < | - - PathPariable$
$Symbol < | - - Coefficient$

$classNodedisallowemptyinstantiation?thismightbeachievedbypurevirtualism - -public - - + abstractvirtu$

$classBinaryOperator - -private - - - Node * leftnode_{-Node*rightnodeclassUnaryOperator - -private - - -Node*n}$

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