digraph astgraph {

node [shape=circle, fontsize=12, fontname="Courier", height=.1];

ranksep=.3;

edge [arrowsize=.5]

node1 [label="Program"]

node2 [label="Block"]

node3 [label="VarDecl"]

node4 [label="number"]

node3 -> node4

node5 [label="INTEGER"]

node3 -> node5

node6 [label="VarDecl"]

node7 [label="a"]

node6 -> node7

node8 [label="INTEGER"]

node6 -> node8

node9 [label="VarDecl"]

node10 [label="b"]

node9 -> node10

node11 [label="INTEGER"]

node9 -> node11

node12 [label="VarDecl"]

node13 [label="c"]

node12 -> node13

node14 [label="INTEGER"]

node12 -> node14

node15 [label="VarDecl"]

node16 [label="x"]

node15 -> node16

node17 [label="INTEGER"]

node15 -> node17

node18 [label="VarDecl"]

node19 [label="y"]

node18 -> node19

node20 [label="REAL"]

node18 -> node20

node21 [label="Compound"]

node22 [label="Compound"]

node23 [label=":="]

node24 [label="number"]

node25 [label="2"]

node23 -> node24

node23 -> node25

node22 -> node23

node26 [label=":="]

node27 [label="a"]

node28 [label="number"]

node26 -> node27

node26 -> node28

node22 -> node26

node29 [label=":="]

node30 [label="b"]

node31 [label="+"]

node32 [label="\*"]

node33 [label="10"]

node34 [label="a"]

node32 -> node33

node32 -> node34

node35 [label="DIV"]

node36 [label="\*"]

node37 [label="10"]

node38 [label="number"]

node36 -> node37

node36 -> node38

node39 [label="4"]

node35 -> node36

node35 -> node39

node31 -> node32

node31 -> node35

node29 -> node30

node29 -> node31

node22 -> node29

node40 [label=":="]

node41 [label="c"]

node42 [label="-"]

node43 [label="a"]

node44 [label="unary -"]

node45 [label="b"]

node44 -> node45

node42 -> node43

node42 -> node44

node40 -> node41

node40 -> node42

node22 -> node40

node21 -> node22

node46 [label=":="]

node47 [label="x"]

node48 [label="11"]

node46 -> node47

node46 -> node48

node21 -> node46

node49 [label=":="]

node50 [label="y"]

node51 [label="+"]

node52 [label="/"]

node53 [label="20"]

node54 [label="7"]

node52 -> node53

node52 -> node54

node55 [label="3.14"]

node51 -> node52

node51 -> node55

node49 -> node50

node49 -> node51

node21 -> node49

node56 [label="NoOp"]

node21 -> node56

node2 -> node3

node2 -> node6

node2 -> node9

node2 -> node12

node2 -> node15

node2 -> node18

node2 -> node21

node1 -> node2

}