

b. Consider the following simple piece of C code:

```
if (x != 0)
    if (a > b) y = a/x;
    else y = b/x;
else
    if (a > b) y = a/0.000001;
    else y = b/0.000001;
```

You can assume that all the variables **a**, **b**, **x**, **y** above are of type **double**. Rewrite this entire piece of code as a *single expression statement* below. In particular, you are not allowed to use the **if** and **else** keywords.

**y** =

*Hint:* Use the ternary operator **? :** twice in the above expression.  
Recall how this operator is used to compute  $\max\{a, b\}$ .