Math 102 Little Quiz #6

Sept. 25, 1996 Name_____
(Please Print)

Suppose that a number d divides each of two numbers a and b:

1. Does d divide the sum of a and b ?

2. Does d divide the difference of a and b ?

3. Does d divide the product of a and b ?

4. Does d divide the quotient of a and b ?

If answer in any case is "no" then give an example.
If answer is "yes" in any case give an argument if possible.