

### **Answer on Question #46733 – Math – Algebra**

#### **Question:**

$(f/g)(x) = (x+9)/(x-9)$ , what is the domain of  $(f/g)$  in interval notation?

#### **Solution:**

The domain is all values that  $x$  can take on. The only problem with this function is that it cannot have a zero in the denominator:

$$x - 9 \neq 0 \quad \text{or} \quad x \neq 9$$

**Answer:**  $(-\infty; 9) \cup (9; +\infty)$