has value zero at x= 1/2 then a= -4 and to get the given value $\left|b(\frac{1}{2})-1\right|=\frac{2}{3}$ so

b= $\frac{2}{3}$ or $\frac{10}{3}$. This gives possible locations for the other vertex of the graph as

x=3/2 and expression there is 4 or x=3/10 and expression there is 4/5 so both agree with stated minimum. Similarly if second expression is zero at x=1/2 then b=2 and a = -16/3, x= 3/8, expression is $\frac{1}{4}$, less than minimum; or a = -8/3, x=3/4, expression is $\frac{1}{2}$, again less than minimum.

F. If the first expression equals a then \ni is either subtraction or division. If it is subtraction no substitute for \therefore works in the second identity so \ni is division and \therefore must be addition. 8 + 6 / 2 = 11