

~~8. $(-1) \cdot (a/b) = (-a) \cdot (\frac{1}{b})$ (Transitivity of eq on~~

8. $(-1) \cdot (a \cdot (\frac{1}{b})) = (-a) \cdot (\frac{1}{b})$ (Transitivity of eq on 7, 6)

9. $(-1) \cdot (a/b) = (-a) \cdot (\frac{1}{b})$ (Transitivity of eq on 3, 8)

10. $-(a/b) = (-1) \cdot (a/b)$ (Symmetry of eq 1) 11. $-(a/b) = (-a) \cdot (\frac{1}{b})$

12. $(-a)/b = (-a) \cdot (\frac{1}{b})$ (Defn. of division) 13. $(-a) \cdot (\frac{1}{b}) = (-a)/b$ (Transitivity of eq on 10, 9)

14. $-(a/b) = (-a)/b$ (Symmetry of eq 12)