

**Answer on Question #60369 – Math – Algebra**

**Question**

If  $a > 1$  and  $b > 1$ , which of the following expressions is equivalent to  $(7a^3 b^{-5}) / a^2$

**Solution**

$$\frac{7a^3 b^{-5}}{a^2} = 7 \cdot \frac{a^3}{a^2} \cdot b^{-5} = 7 \cdot a^{3-2} \cdot b^{-5} = \frac{7a}{b^5}.$$

**Answer:**  $\frac{7a}{b^5}$ .