

Incorrect. Be sure you are excluding values for a that will make the numerator or the denominator of the divisor equal to 0. Then rewrite the expression as multiplication by the reciprocal and multiply normally:

$$\frac{12a^5}{6} \div \frac{6a^3}{2} = \frac{12a^5}{6} \cdot \frac{2}{6a^3} = \frac{24a^5}{36a^3}. \text{ Can you simplify this expression?}$$