

Find the product or quotient for each equation.

$$1. \frac{x^5}{x^3} =$$

$$2. \left(\frac{x}{y}\right)^3 =$$

$$3. \left(\frac{x^3}{y^3}\right)^2 =$$

$$4. (-3x^2)^3 =$$

$$5. \left(\frac{1}{5x}\right)^3 =$$

$$6. x^2 \cdot y^2 =$$

$$7. (2a^2)^4 (3a^3)^2 =$$

$$8. a^4 \cdot 2a^2 \cdot c^3 =$$

$$9. \frac{64x^2y}{4x^4} =$$

$$10. \frac{3x^2y}{6x^4y^4} =$$

$$11. \frac{a^{3m}}{a^m} =$$

$$12. \left(\frac{-2a}{b}\right)^3 =$$