

Day 02 Operations with Polynomials Practice #2

Name _____

Date _____ Block _____

1-10: Simplify each expression. Circle your final answer.

If in doubt, factor it out!

1. $\frac{2x^2}{3y} \cdot \frac{x}{2y^2}$

2. $\left(\frac{3r^3}{-x^2}\right)^2$

3. $\frac{2x^5}{y^3} \left(\frac{y^2}{2x^3}\right)^{-3}$

4. $\frac{(ab^3z^{-2})^3}{(ab^{-2}z^3)^2}$

5. $\left(\frac{a}{b^2}\right)^{-1} \left(\frac{a^2}{b}\right)^{-2}$

6. $\frac{(pq^{-2})^{-1}}{(p^2q)^{-2}}$

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

8. $\left(\frac{2x^3y}{3wb}\right)^2 \left(\frac{w^2b^2}{x^5y^2}\right)^3$

9. $\frac{7c^{-2}t^{-4}r^0}{3^{-2}d^{-3}}$

10. $\left(\frac{x^{-1}m^{-4}}{x^{-2}m}\right)^2 \left(\frac{x^2m^{-1}}{x^4m^2}\right)^3$