

## Exponent Problems

Name: \_\_\_\_\_ Date: \_\_\_\_\_

---

$$1. (4a^2)(a^3)(3a^6)$$

$$2. (e^{2f^4})(ef)^2$$

---

$$3. (y^2z)(yz^{-4})$$

$$4. (10^2)^{-3}$$

---

$$5. \left((4^2)^2\right)^2$$

$$6. (2x^2)^4(3x^5)^2$$

---

$$7. \frac{10x^4y^8}{22x^2y}$$

$$8. (-6p)^2$$

---

$$9. (4g^3h)(-2g)^5$$

$$10. (2ab^2c^2)(4a^3b^2c^2)$$

---

$$11. -6(x^2y^3)^4$$

$$12. \frac{14g^{-5}h^{-2}}{28g^{-7}h^4}$$

---

$$13. -\frac{3r}{5}(15r^2)$$

$$14. \frac{(x^4y)(xy^7)}{x^5y^{11}}$$

---

$$15. (cd^{-3})^{-2}$$

$$16. \frac{(2m^4n)^3}{-10m^8n^3}$$

---