

Simplify. NO negative exponents in answers!

1. $(3x^7y^2)(-5xy^9)$	2. $(3x^2y)(2xy^4)$
3. $(3m^2)^3(-2m^3)^2$	4. $(-9c)^2(8cd^2)$
5. $(2xy)(-3x^2yz)(x^2y^3z^3)$	6. $(3b^5)(2ab^2)(-2ab^2c^2)$
7. $(2a^2b)^3(-3ab^4)^2$	8. $(-3ab^3)^3(4a^2b)^2$

9.	$\frac{8x^3y^6}{-2x^3y^3}$	10.	$\frac{3a^7b}{6a^2b^4}$
11.	$\frac{16x^{-2}}{-8y^4}$	12.	$\left(-3x^{-2}\right)^2$
13.	$\frac{6^2a^{-2}b^3}{3ab^4}$	14.	$\left(\frac{14x^2y^2}{-2x^3y}\right)^{-1}$
15.	$\frac{-48ab^{10}}{32a^4b^3}$	16.	$\frac{\left(-4x^2y^3\right)^2}{\left(2xy^2\right)^3}$

17.	$\frac{(-3a^2b^3)^2}{(-2ab^4)}$	18.	$\left(\frac{x^{-3}y^{-4}}{x^{-2}y}\right)$
19.	$\left(\frac{a^{-2}b}{a^3b^{-4}}\right)^2$	20.	$\frac{(2a^3b^2)^3}{(a^4b)^{-1}}$
21.	$\frac{(3x^2y)^{-1}}{(4xy^2)}$	22.	$\left(\frac{2a^2}{4a^3}\right)^{-1}$
23.	$(3a^{-2}b^3)(-4a^4b)(8ab^{-1})$	24.	$(15ab^2)\left(-\frac{3}{5}a^2b\right)$

$$25. \quad \left(\frac{1}{2}x^2\right)^3(-4y^3)^2$$

$$26. \quad \left(-\frac{1}{2}s^4\right)\left(-\frac{1}{4}s^2\right)(8s^3)$$

$$27. \quad \left(\frac{1}{3}xy\right)\left(\frac{1}{2}x\right)(-12x^2y^2)$$

$$28. \quad (-3y)(5xy)(15xy^2)^{-1}$$

$$29. \quad (6x^{-2}y^3)(-4x^4y^{-1})$$

$$30. \quad 10(2x)^2(-y^2)^2$$

$$31. \quad (-4c^2d)^2$$

$$32. \quad (-4c^2d)^{-2}$$

