

$$(2 \times 10^7)(4 \times 10^6)$$

$$8 \times 10^{13}$$



$$(6.5 \times 10^{10})(8 \times 10^{-4})$$

$$5.2 \times 10^7$$



$$\frac{9.25 \times 10^8}{2 \times 10^3}$$

$$4.625 \times 10^5$$



$$\frac{1.8 \times 10^{-5}}{4.5 \times 10^2}$$

$$4 \times 10^{-8}$$



$$\frac{1.68 \times 10^{-9}}{2.8 \times 10^3}$$

$$6 \times 10^{-13}$$



$$(3d^3)^4$$

$$81d^{12}$$



$$(4x^2y^5)^2$$

$$16x^4y^{10}$$



$$-a^5b^8(-5ab^3)^3$$

$$125a^8b^{17}$$



$$-x^2(2x^3)^5(x^3)^7$$

$$-32x^{38}$$



$$(-x^2y)^4(3x^3y)^3(2x^4)(-x^2y^5)^5$$

$$-54x^{31}y^{32}$$



$$\frac{14x^{11}}{7x^3}$$

$$2x^8$$



$$\frac{c^8d^4}{2c^5d}$$

$$\frac{1}{2}c^3d^3$$



$$\frac{9m^7n}{15m^9n^4}$$

$$\frac{3}{5m^2n^3}$$



$$\frac{-10f^2g^3h^5}{2f^5g^{11}h^2}$$

$$\frac{-5h^3}{f^3g^8}$$



$$\frac{5s^8t^4(3s^4t^4u^{20})}{4s^7t^7(2s^3u^{11})}$$

$$\frac{15s^2tu^9}{8}$$



$$(2t)^{-5}$$

$$\frac{1}{32t^5}$$



$$\frac{b^{-7}}{2a^{-5}}$$

$$\frac{a^5}{2b^7}$$



$$(-4z^2)^{-3}$$

$$\frac{-1}{64z^6}$$



$$(2b^{-2}c^3)^{-4} (4b^6)$$

$$\frac{b^{14}}{4c^{12}}$$



$$(6xy^7)^{-2} (3x^5y)(x^{-2}y^3)^8$$

$$\frac{y^{11}}{12x^{13}}$$



$$(3b)^2 (b^2)^3$$

$$9b^8$$



$$\left(\frac{2s^6}{s^{-3}}\right)\left(\frac{10s^5}{5s}\right)$$

$$4s^{13}$$



$$\frac{5x^{-4}y^3}{x^2y} \cdot \frac{6x^8y}{3y^{-3}}$$

$$10x^2y^6$$



$$\frac{(2m)^{-2}n^5}{2n^{-6}} \cdot \frac{(5mn^{-3})^3}{(m^{-2}n^4)^0}$$

$$\frac{125mn^2}{8}$$



$$\left(\frac{(2c^3 d^6 e^{-2})^2}{3c^{-4} d^{12} e} \right)^{-4}$$

$$\frac{81e^{20}}{256c^{40}}$$

