
1) $(5a^7b^4)(-3a^2b^{10})$

2) $(5a^{-7}b^4)(-3a^{-2}b^{10})$

$$3) (9m^0n^7)^{-2}$$

$$7) \left(\frac{2x^7y}{5z^4} \right)^{-3}$$

$$4) \frac{(t^6u^4)^2}{tu^{13}}$$

$$8) \left(\frac{10x^6y^3z}{24xy^8} \right)^2$$

$$5) (7km)^2$$

$$9) (7k - m)^2$$

$$6) (7k - 5)^2$$

$$10) \frac{15n^9 + 10n^7 - 5n^2}{5n^2}$$

11)

$$(7y + 10) - (3y - 4)$$

12)

$$(8x^6 - 9x^5 + 17) - (3x^6 + 5x^5 - 6)$$

13) Write the number in scientific notation:

0.0005207

14) Write the number in standard form:

9.013×10^5

15)

$$(7y + 10)(3y - 4)$$

16)

$$(2x - 5)(4x^2 + 6x - 7)$$

17) $-4^2 + (-9)^2$

18) $(-13)^0 - 5(7)^0$

19) $2r^{-3}$

20) $(2r)^{-3}$

21)

$$\left(\frac{x^4 y^0}{x^0 y^{-8}} \right)^{-2}$$

22)

$$\left(\frac{x^{-13} y^{-7}}{x^{-10} y^{-8}} \right)^5$$

23)

$$\left(\frac{m^4 n^2}{m^{14} n^{-8}} \right)^0$$