

Negative Exponents

EXP4

$t^{-5} = \frac{1}{t^5}$ The negative exponent becomes the denominator of the fraction. Take off the negative sign when you move the variable to the denominator.

Try these:

1. $m^{-6} = \underline{\hspace{2cm}}$

2. $j^{-15} = \underline{\hspace{2cm}}$

3. $x^3y^{-7} = \underline{\hspace{2cm}}$

4. $g^{-3}h^2 = \underline{\hspace{2cm}}$

5. $a^6b^{-10}c^{-5} = \underline{\hspace{2cm}}$

6. $r^{-8}s^{-9} = \underline{\hspace{2cm}}$

7. $4c^{-2} = \underline{\hspace{2cm}}$

8. $12m^{-5} = \underline{\hspace{2cm}}$

9. $11a^{-3}b^6 = \underline{\hspace{2cm}}$

10. $7v^{-1}w^{-4}x^0 = \underline{\hspace{2cm}}$

11. $10j^{21}k^{-15} = \underline{\hspace{2cm}}$

12. $26m^{-19}n^{-8} = \underline{\hspace{2cm}}$

Review:

13. $(-8a^4)(-a^2) = \underline{\hspace{2cm}}$

14. $(a^{17}b^{12}c)(a^{13}bc^6) = \underline{\hspace{2cm}}$

15. $(f^{11}g^3)^5 = \underline{\hspace{2cm}}$

16. $(j^3k^{10})^4 = \underline{\hspace{2cm}}$

17. $(3x^4)^3 = \underline{\hspace{2cm}}$

18. $(-2a^2bc^5)^3 = \underline{\hspace{2cm}}$

19. $(-10v^{15}w^2)^3 = \underline{\hspace{2cm}}$

20. $[(xy^{10}z^4)^3]^2$