

Dividing Exponents EXP5

Expand and then simplify:

1. $\frac{x^{11}}{x^6}$ _____ = _____

2. $\frac{r^3}{r}$ _____ = _____

3. $\frac{x^5}{x^8}$ _____ = _____

$\frac{x^a}{x^b} = x^{a-b}$ Remember to SUBTRACT downward. Show your SUBTRACTION.

Simplify:

4. $\frac{x^9}{x^4}$

5. $\frac{k^{15}}{k^{12}}$

6. $\frac{h^5}{h^5}$

7. $\frac{d^4}{d}$

8. $\frac{f^4}{f^8}$

9. $\frac{t^{12}}{t^{20}}$

10. $\frac{2v^{15}}{4v^{10}}$

11. $\frac{2v^{10}}{4v^{15}}$

12. $\frac{12x^6}{4x^8}$

13. $\frac{x^{-5}}{x^8}$

14. $\frac{x^{-5}}{x^{-8}}$

15. $\frac{x^5}{x^{-8}}$

16. $\frac{(x^8)^2}{x^7}$

17. $\frac{(m^5)^4}{(m^3)^7}$