

Properties with Exponents Quiz

1. $(-7u^2)(5u^8)$

2. $(-7v^3)(-6v^{-9})$

3. $(2x^4y^{-7})(3x^{-1}y^5)$

4.

$$\frac{c^4d^{-5}}{c^3d}$$

5.

$$\left(\frac{f^5g^{-3}}{g^{-5}}\right)^2$$

6.

$$\frac{(2r^3s^{-3})^5}{4r^7s^{-10}}$$

7.

$$\frac{25x^{-5}y^3}{(5x^2y)^{-3}}$$

8.

$$\left(\frac{3u^{-4}v^3}{2u^{-5}v}\right)^{-2}$$

9.

$$(2x^0y^2)^{-3} \cdot 2yx^3$$

10. Simplify $\frac{(x^2y^3)^{-2}(x^7y^2)^3}{(xy^3)^{-1}}$

11. Simplify $\frac{40x^5y^{-3}z^4}{15x^3yz^{-1}}$

12. Solve for x: $\frac{5^{2x}}{5^{x+3}} = 25$