

Level 1: The Basics**You may move on to the next level once a checker has made sure you got a 100%.****Multiplying Powers**

1) $x^3 \cdot x^7$

Dividing Powers

2) $\frac{x^9}{x^3}$

Power to a Power

3) $(a^5)^2$

Zero Exponents

4) 10^0

Negative Exponents

5) n^{-3}

Level 2: 2 Properties in 1**You may move on to the next level once a checker has made sure you got a 100%.**

1) $(x^4 \cdot x^2)^3$

2) $\left(\frac{2^7}{2^4}\right)^5$

3) $\frac{f^9 f^3}{f^5}$

4) $\left(\frac{k}{k^5}\right)^2$

Level 3: With coefficients**You may move on to the next level once a checker has made sure you got a 100%.**

1) $3d^4 \cdot 2d^5$

2) $\frac{12c^9}{3c^4}$

3) $(5b^3)^2$

4) $5x^0$

5) $6k^{-3}$

6) $(3m^2)^3$

7) $\left(\frac{f^4}{2}\right)^4$

Level 4: Multiple Variables**You may move on to the next level once a checker has made sure you got a 100%.**

1) $-4w^4v \cdot -3w^5v^2$

2) $\frac{8y^9z^4}{8y^4z^6}$

3) $(7j^{10}k^5l)^2$

4) $\left(\frac{f^0}{3g}\right)^3$

Level 5: Harder**You may move on to the next level once a checker has made sure you got a 100%.**

1) $\frac{35p^9q^{-3}}{30p^4q^3}$

2) $\left(\frac{r^4r^{-3}s^3}{4rs^{-1}}\right)^3$

3) $3mn^{-2} \cdot 6m^{-4}n^5 \cdot \frac{1}{2}m^0n$

Level 6: At Your Own Risk!**If you can get this one.....BRAVO!!!**

$$\left(\frac{4x^7y^5 \cdot 3x \cdot 2x^{-3}z}{5w^{50} \cdot 6x^2y^8 \cdot y^{-5}z^{-3}}\right)^2 \cdot \frac{w^{100}}{(2xyz^2)^4}$$