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Math worksheet on *'Exponents - Power Law with Variable Base (Negatives, Fraction with Power to Exponent) (Level 1)'*. Part of a broader unit on *'Exponents - Negative, Fractional, and Power Law'*

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1 Find the answer when these terms are multiplied

$$\frac{1}{m^3} \cdot \frac{1}{m^3} \cdot \frac{1}{m^3}$$

a m^{0} **b** m^{-9} **c** m^{-8} **d** m^{-7}

2 Find the answer when these terms are multiplied

$$\frac{1}{n^6} \cdot \frac{1}{n^6} \cdot \frac{1}{n^6}$$

a n^{-18} **b** n^{-16} **c** n^{-180} **d** n^{-15} **e** n^{-3}

3 Find the answer when these terms are multiplied

$$\frac{1}{b^4} \cdot \frac{1}{b^4} \cdot \frac{1}{b^4} \cdot \frac{1}{b^4} \cdot \frac{1}{b^4}$$

a b^{-17} **b** b **c** b^{-18} **d** b^{-20} **e** b^{-16}

4 Find the answer when these terms are multiplied

$$\frac{1}{m^6} \cdot \frac{1}{m^6} \cdot \frac{1}{m^6} \cdot \frac{1}{m^6}$$

a m^{-22} **b** m^{-2} **c** m^{-26} **d** m^{-24}

5 Find the answer when these terms are multiplied

$$\frac{1}{y^6} \cdot \frac{1}{y^6}$$

a y^{-13} **b** y^{-12} **c** y^{-1} **d** y^{-10} **e** $y^{-1,200}$

6 Find the answer when these terms are multiplied

$$\frac{1}{y^6} \cdot \frac{1}{y^6} \cdot \frac{1}{y^6} \cdot \frac{1}{y^6}$$

a $y^{-2,400}$ **b** y^{-21} **c** y^{-22} **d** y^{-24} **e** y^{-19}

7 Find the answer when these terms are multiplied

$$\frac{1}{x^2} \cdot \frac{1}{x^2} \cdot \frac{1}{x^2}$$

a x^{-6} **b** x^{-5} **c** x^{0} **d** x^{-60}