- 1. The expression $\frac{24x^6y^3}{-6x^3y^4}$ is equivalent to

- 2. What is the product of $3a^2b$ and $-2ab^3$?
 - 1. a^2b^3
 - 2. a^3b^4
 - 3. $-6a^2b^3$
- 3(-2)a²⁺¹b¹⁺³
 -6 a³b⁴

- 3. What is one-third of 36?
 - 1. 12 2. 32
 - 3. 35 4. 96

$$\frac{1}{3} \cdot 3^6 = \frac{3^6}{3} = 3^6$$

4. The expression is $(10w^3)^2$ equivalent to

- Which expression is equivalent to 3³•3⁴?
 - 1.912
- 3. 312

6. Which expression represents $\frac{27x^{18}y^5}{9x^6y}$ in simplest

form?

- $\begin{array}{ccc}
 1. & 3x^{12}y^4 \\
 2. & 3x^3y^5 \\
 3. & 18x^{12}y^4 \\
 4. & 18x^3y^5
 \end{array}$

- 7. What is the value of $3^0 + 3^{-2}$? = $(4 + \frac{1}{9})^{-2}$

- 8. What is the value of 2^{-3} ?

 - 4. -8

If $x \neq 0$, then $(x^2)^3$ is equivalent to

1. 1000x 2. 1000 + x 3. 1000 4. 0 $\frac{x^3}{x^5}$ 100 $\frac{x}{x^5}$

= X.1000

10. The expression $3^2 \cdot 3^3 \cdot 3^4$ is equivalent to

- 2. 2724

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