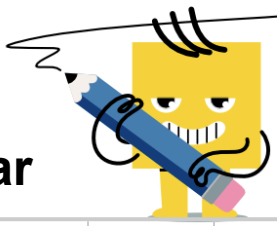
Name



Polynomial Algebra - Difference of Exponents (Integers) Divided by Similar Exponent - Simplify

1 What does this expression simplify to?

$$\frac{3^7 + 3^4}{3^4}$$

A $\frac{3^7}{3^7} + \frac{3^4}{3^4}$

B $\frac{3^7}{3^4} + \frac{3^4}{3^4}$

C $\frac{3^7}{3^4} - \frac{3^4}{3^4}$

2 What does this expression simplify to?

$$\frac{4^6 + 4^3}{4^3}$$

A $\frac{4^6}{4^3} + \frac{4^3}{4^3}$

B $\frac{4^6}{4^6} + \frac{4^3}{4^3}$

C $\frac{4^6}{4^3} - \frac{4^3}{4^3}$

3 What does this expression simplify to?

$$\frac{6^6 + 6^4}{6^4}$$

A $\frac{6^6}{6^4} + \frac{6^4}{6^4}$

B $\frac{6^6}{6^4} - \frac{6^4}{6^4}$

C $\frac{6^6}{6^6} + \frac{6^4}{6^4}$

4 What does this expression simplify to?

$$\frac{10^4 - 10^2}{10^2}$$

A $\frac{10^4}{10^2} + \frac{10^2}{10^2}$

B $\frac{10^4}{10^4} - \frac{10^2}{10^2}$

C $\frac{10^4}{10^2} - \frac{10^2}{10^2}$

5 What does this expression simplify to?

$$\frac{3^7 - 3^4}{3^4}$$

A $\frac{3^7}{3^4} + \frac{3^4}{3^4}$

B $\frac{3^7}{3^7} - \frac{3^4}{3^4}$

C $\frac{3^7}{3^4} - \frac{3^4}{3^4}$

6 What does this expression simplify to?

$$\frac{6^5 + 6^3}{6^3}$$

A $\frac{6^5}{6^3} + \frac{6^3}{6^3}$

B $\frac{6^5}{6^3} - \frac{6^3}{6^3}$

C $\frac{6^5}{6^5} + \frac{6^3}{6^3}$

7 What does this expression simplify to?

$$\frac{6^3 + 6^1}{6^1}$$

A $\frac{6^3}{6^1} + \frac{6^1}{6^1}$

B $\frac{6^3}{6^1} - \frac{6^1}{6^1}$

C $\frac{6^3}{6^3} + \frac{6^1}{6^1}$

8 What does this expression simplify to?

$$\frac{3^6 + 3^2}{3^2}$$

A $\frac{3^6}{3^6} + \frac{3^2}{3^2}$

B $\frac{3^6}{3^2} - \frac{3^2}{3^2}$

C $\frac{3^6}{3^2} + \frac{3^2}{3^2}$