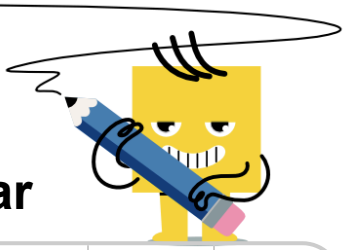
Name

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



1 What does this expression simplify to?

$$\frac{6^{257} - 6^{255}}{6^{255}}$$

A $\frac{6^{257}}{6^{255}} + \frac{6^{255}}{6^{255}}$

B $\frac{6^{257}}{6^{257}} - \frac{6^{255}}{6^{255}}$

C $\frac{6^{257}}{6^{255}} - \frac{6^{255}}{6^{255}}$

2 What does this expression simplify to?

$$\frac{6^{457} + 6^{455}}{6^{455}}$$

A $\frac{6^{457}}{6^{455}} - \frac{6^{455}}{6^{455}}$

B $\frac{6^{457}}{6^{455}} + \frac{6^{455}}{6^{455}}$

C $\frac{6^{457}}{6^{457}} + \frac{6^{455}}{6^{455}}$

3 What does this expression simplify to?

$$\frac{5^{413} + 5^{410}}{5^{410}}$$

A $\frac{5^{413}}{5^{413}} + \frac{5^{410}}{5^{410}}$

B $\frac{5^{413}}{5^{410}} - \frac{5^{410}}{5^{410}}$

C $\frac{5^{413}}{5^{410}} + \frac{5^{410}}{5^{410}}$

4 What does this expression simplify to?

$$\frac{10^{232} - 10^{230}}{10^{230}}$$

A $\frac{10^{232}}{10^{230}} + \frac{10^{230}}{10^{230}}$

B $\frac{10^{232}}{10^{230}} - \frac{10^{230}}{10^{230}}$

C $\frac{10^{232}}{10^{232}} - \frac{10^{230}}{10^{230}}$

5 What does this expression simplify to?

$$\frac{4^{373} + 4^{370}}{4^{370}}$$

A $\frac{4^{373}}{4^{370}} + \frac{4^{370}}{4^{370}}$

B $\frac{4^{373}}{4^{370}} - \frac{4^{370}}{4^{370}}$

C $\frac{4^{373}}{4^{373}} + \frac{4^{370}}{4^{370}}$

6 What does this expression simplify to?

$$\frac{7^{456} + 7^{454}}{7^{454}}$$

A $\frac{7^{456}}{7^{454}} + \frac{7^{454}}{7^{454}}$

B $\frac{7^{456}}{7^{454}} - \frac{7^{454}}{7^{454}}$

C $\frac{7^{456}}{7^{456}} + \frac{7^{454}}{7^{454}}$

7 What does this expression simplify to?

$$\frac{2^{377} + 2^{372}}{2^{372}}$$

A $\frac{2^{377}}{2^{372}} + \frac{2^{372}}{2^{372}}$

B $\frac{2^{377}}{2^{372}} - \frac{2^{372}}{2^{372}}$

C $\frac{2^{377}}{2^{377}} + \frac{2^{372}}{2^{372}}$

8 What does this expression simplify to?

$$\frac{4^{210} + 4^{208}}{4^{207}}$$

A $\frac{4^{210}}{4^{207}} - \frac{4^{208}}{4^{207}}$

B $\frac{4^{210}}{4^{207}} + \frac{4^{208}}{4^{207}}$

C $\frac{4^{210}}{4^{210}} + \frac{4^{208}}{4^{208}}$