Name

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

1 What does this expression simplify to?

$$\frac{4^{2018}+4^{2016}}{4^{2015}}$$

A $\frac{4^{2018}}{4^{2018}}+\frac{4^{2016}}{4^{2016}}$

B $\frac{4^{2018}}{4^{2015}}+\frac{4^{2016}}{4^{2015}}$

C $\frac{4^{2018}}{4^{2015}}-\frac{4^{2016}}{4^{2015}}$

2 What does this expression simplify to?

$$\frac{3^{2004}+3^{2002}}{3^{2001}}$$

A $\frac{3^{2004}}{3^{2004}}+\frac{3^{2002}}{3^{2002}}$

B $\frac{3^{2004}}{3^{2001}}-\frac{3^{2002}}{3^{2001}}$

C $\frac{3^{2004}}{3^{2001}}+\frac{3^{2002}}{3^{2001}}$

3 What does this expression simplify to?

$$\frac{8^{2007}-8^{2005}}{8^{2005}}$$

A $\frac{8^{2007}}{8^{2005}}+\frac{8^{2005}}{8^{2005}}$

B $\frac{8^{2007}}{8^{2005}}-\frac{8^{2005}}{8^{2005}}$

C $\frac{8^{2007}}{8^{2007}}-\frac{8^{2005}}{8^{2005}}$

4 What does this expression simplify to?

$$\frac{7^{2004}-7^{2002}}{7^{2002}}$$

A $\frac{7^{2004}}{7^{2002}}+\frac{7^{2002}}{7^{2002}}$

B $\frac{7^{2004}}{7^{2004}}-\frac{7^{2002}}{7^{2002}}$

C $\frac{7^{2004}}{7^{2002}}-\frac{7^{2002}}{7^{2002}}$

5 What does this expression simplify to?

$$\frac{10^{2007}+10^{2005}}{10^{2005}}$$

A $\frac{10^{2007}}{10^{2005}}-\frac{10^{2005}}{10^{2005}}$

B $\frac{10^{2007}}{10^{2005}}+\frac{10^{2005}}{10^{2005}}$

C $\frac{10^{2007}}{10^{2007}}+\frac{10^{2005}}{10^{2005}}$

6 What does this expression simplify to?

$$\frac{11^{2022}-11^{2020}}{11^{2020}}$$

A $\frac{11^{2022}}{11^{2022}}-\frac{11^{2020}}{11^{2020}}$

B $\frac{11^{2022}}{11^{2020}}+\frac{11^{2020}}{11^{2020}}$

C $\frac{11^{2022}}{11^{2020}}-\frac{11^{2020}}{11^{2020}}$

7 What does this expression simplify to?

$$\frac{4^{2008}+4^{2006}}{4^{2005}}$$

A $\frac{4^{2008}}{4^{2008}}+\frac{4^{2006}}{4^{2006}}$

B $\frac{4^{2008}}{4^{2005}}+\frac{4^{2006}}{4^{2005}}$

C $\frac{4^{2008}}{4^{2005}}-\frac{4^{2006}}{4^{2005}}$

8 What does this expression simplify to?

$$\frac{4^{2011}+4^{2008}}{4^{2008}}$$

A $\frac{4^{2011}}{4^{2008}}-\frac{4^{2008}}{4^{2008}}$

B $\frac{4^{2011}}{4^{2011}}+\frac{4^{2008}}{4^{2008}}$

C $\frac{4^{2011}}{4^{2008}}+\frac{4^{2008}}{4^{2008}}$