

Simplify. Your answer should contain only positive exponents.

1) $2x^3 \cdot (-2x)^2$

A) $-32x^{24}$

C) x^{19}

B) $8x^5$

D) $-8x^9$

$$(-2)^2 \rightarrow (-2)(-2) = 4$$

$$(2x^3)(4x^2)$$

$$= 8x^5$$

Simplify. Your answer should contain only positive exponents.

2) $2x^3 \cdot (-x)^2$

A) $32x^8$

B) $32x^{18}$

C) $-x^{11}$

D) $2x^5$

$$(-1)^2 \rightarrow (-1)(-1) = 1$$

$$= (2x^3)(x^2)$$

$$= 2x^5$$

Simplify. Your answer should contain only positive exponents.

$$3) (-2)^2 \cdot ((-2)^3)^4$$

A) $(-2)^{14}$

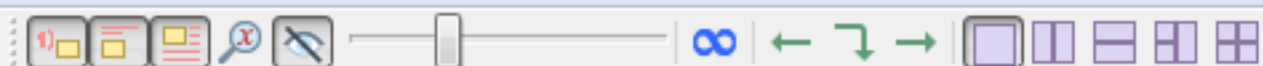
B) $(-2)^{13}$

C) $(-2)^{15}$

D) $(-2)^{10}$

$$= (-2)^2 (-2)^{12}$$

$$= (-2)^{14}$$



Simplify. Your answer should contain only positive exponents.

$$5) \frac{+1p^3}{-3p^3}$$

$$A) \frac{1}{6p}$$

$$B) -2p^2$$

$$C) \frac{p}{3}$$

$$D) -\frac{1}{p}$$

$$= \frac{-1p^4}{-3p^3}$$

$$= \frac{1p}{3}$$

Simplify. Your answer should contain only positive exponents.

$$7) \frac{(-4)^3}{-4 \cdot (-4)^4}$$

A) $(-4)^2$

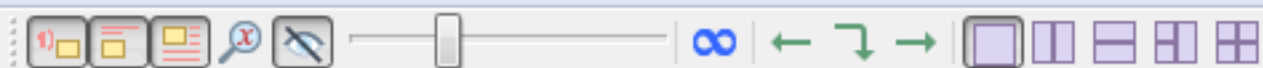
B) $\frac{1}{-4}$

C) $\frac{1}{(-4)^2}$

D) -4

$$= \frac{(-4)^3}{(-4)^5}$$

$$= \frac{1}{(-4)^2}$$



Simplify. Your answer should contain only positive exponents.

13) $-2v^4 \cdot 4v^0 \cdot 4v^{-4}$

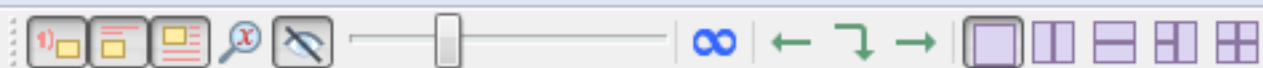
A) $-2v^6$

B) -32

C) $\frac{4}{v^6}$

D) $-32v^4$

$= -32$



Simplify. Your answer should contain only positive exponents.

17) $((-4)^3)^{-4}$

A) $(-4)^8$

B) $\frac{1}{(-4)^{12}}$

C) 1

D) $\frac{1}{(-4)^2}$

$$= (-4)^{12}$$

$$= \frac{1}{-4^{12}}$$