

#1

Simplify

$$\frac{6q^4}{10q^8 \cdot 4q^3}$$

- $\frac{3}{20}q^{-7}$
 $\frac{3}{20}q^7$
 $\frac{3}{20}q^{15}$
 $\frac{3}{20}q^{-15}$

Show your work

#2

Simplify

$$\frac{2g^3}{6g^9 \cdot g^4}$$

- $\frac{1}{3}g^{16}$
 $\frac{1}{3}g^{-10}$
 $\frac{1}{3}g^{-16}$
 $\frac{1}{3}g^{10}$

Show your work

#3

Simplify

$$\frac{5s^4}{9s^3 \cdot 2s^6}$$

- $\frac{5}{18}s^{13}$
 $\frac{5}{18}s^5$
 $\frac{5}{18}s^{-13}$
 $\frac{5}{18}s^{-5}$

Show your work

#4

Simplify

$$\frac{6w^{10}}{5w^2 \cdot 10w^4}$$

- $\frac{3}{25}w^{-4}$
 $\frac{3}{25}w^4$
 $\frac{3}{25}w^{-16}$
 $\frac{3}{25}w^{16}$

Show your work

#5

Simplify

$$\frac{7v^7}{9v^{10} \cdot 10v^6}$$

- $\frac{7}{90}v^{23}$
 $\frac{7}{90}v^{-9}$
 $\frac{7}{90}v^{-23}$
 $\frac{7}{90}v^9$

Show your work

#6

Simplify

$$\frac{4p^2}{5p^5 \cdot 2p}$$

- $\frac{2}{5}p^{-4}$
 $\frac{2}{5}p^4$
 $\frac{2}{5}p^8$
 $\frac{2}{5}p^{-8}$

Show your work

#7

Simplify

$$\frac{8z^3 \cdot 6z^{10}}{3z}$$

- $16z^{-12}$ $16z^{14}$
 $16z^{-14}$ $16z^{12}$

Show your work

#8

Simplify

$$\frac{8x^4}{x^5 \cdot 5x^{10}}$$

- $1\frac{3}{5}x^{-19}$ $1\frac{3}{5}x^{-11}$
 $1\frac{3}{5}x^{11}$ $1\frac{3}{5}x^{19}$

Show your work

#9

Simplify

$$\frac{2x^6}{x^8 \cdot 9x^4}$$

- $\frac{2}{9}x^{-6}$ $\frac{2}{9}x^6$
 $\frac{2}{9}x^{18}$ $\frac{2}{9}x^{-18}$

Show your work

#10

Simplify

$$\frac{7q^3 \cdot q^9}{2q}$$

- $3\frac{1}{2}q^{-11}$ $3\frac{1}{2}q^{11}$
 $3\frac{1}{2}q^{13}$ $3\frac{1}{2}q^{-13}$

Show your work

#11

Simplify

$$\frac{b^3 \cdot 5b^6}{6b^7}$$

- $\frac{5}{6}b^{16}$ $\frac{5}{6}b^2$
 $\frac{5}{6}b^{-16}$ $\frac{5}{6}b^{-2}$

Show your work

#12

Simplify

$$\frac{4w}{10w^6 \cdot 3w^8}$$

- $\frac{2}{15}w^{-13}$ $\frac{2}{15}w^{15}$
 $\frac{2}{15}w^{13}$ $\frac{2}{15}w^{-15}$

Show your work

Question	Answer
#1	choice 1
#2	choice 2
#3	choice 4
#4	choice 2
#5	choice 2
#6	choice 1
#7	choice 4
#8	choice 2
#9	choice 1
#10	choice 2
#11	choice 2
#12	choice 1