

#1

Simplify

$$\frac{3w^4}{6w^5}$$

$\frac{1}{2}w^{-9}$

$\frac{1}{2}w^{-1}$

$\frac{1}{2}w^9$

$\frac{1}{2}w$

Show your work

#2

Simplify

$$\frac{5b^8}{10b^2}$$

$\frac{1}{2}b^{-10}$

$\frac{1}{2}b^{10}$

$\frac{1}{2}b^6$

$\frac{1}{2}b^{-6}$

Show your work

#3

Simplify

$$\frac{5g^3}{10g^5}$$

$\frac{1}{2}g^8$

$\frac{1}{2}g^2$

$\frac{1}{2}g^{-8}$

$\frac{1}{2}g^{-2}$

Show your work

#4

Simplify

$$\frac{8g^6}{7g^{10}}$$

- $1\frac{1}{7}g^{-4}$ $1\frac{1}{7}g^4$
- $1\frac{1}{7}g^{16}$ $1\frac{1}{7}g^{-16}$

Show your work

#5

Simplify

$$\frac{f^8}{6f^9}$$

- $\frac{1}{6}f$ $\frac{1}{6}f^{-17}$
- $\frac{1}{6}f^{-1}$ $\frac{1}{6}f^{17}$

Show your work

#6

Simplify

$$\frac{5f^2}{9f^8}$$

- $\frac{5}{9}f^{-6}$ $\frac{5}{9}f^{10}$
- $\frac{5}{9}f^6$ $\frac{5}{9}f^{-10}$

Show your work

#7

Simplify

$$\frac{j^8}{10j}$$

$\frac{1}{10}j^{-7}$

$\frac{1}{10}j^7$

$\frac{1}{10}j^{-9}$

$\frac{1}{10}j^9$

Show your work

#8

Simplify

$$\frac{5m^8}{7m}$$

$\frac{5}{7}m^9$

$\frac{5}{7}m^{-9}$

$\frac{5}{7}m^7$

$\frac{5}{7}m^{-7}$

Show your work

#9

Simplify

$$\frac{10e^7}{8e^3}$$

$1\frac{1}{4}e^4$

$1\frac{1}{4}e^{-10}$

$1\frac{1}{4}e^{10}$

$1\frac{1}{4}e^{-4}$

Show your work

#10

Simplify

$$\frac{6i^6}{3i^7}$$

$2i^{13}$

$2i^{-13}$

$2i^{-1}$

$2i$

Show your work

#11

Simplify

$$\frac{3q^{10}}{8q^3}$$

$\frac{3}{8}q^{-7}$

$\frac{3}{8}q^{13}$

$\frac{3}{8}q^{-13}$

$\frac{3}{8}q^7$

Show your work

#12

Simplify

$$\frac{10j^3}{2j^{10}}$$

$5j^{13}$

$5j^{-7}$

$5j^{-13}$

$5j^7$

Show your work

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