

#1

Simplify

$$\frac{4r^9}{r^2}$$

$4r^{-7}$

$4r^{11}$

$4r^7$

$4r^{-11}$

Show your work

#2

Simplify

$$\frac{3u^3}{5u}$$

$\frac{3}{5}u^4$

$\frac{3}{5}u^2$

$\frac{3}{5}u^{-2}$

$\frac{3}{5}u^{-4}$

Show your work

#3

Simplify

$$\frac{7a^6}{3a^{10}}$$

$2\frac{1}{3}a^{16}$

$2\frac{1}{3}a^{-4}$

$2\frac{1}{3}a^{-16}$

$2\frac{1}{3}a^4$

Show your work

#4

Simplify

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

- $\frac{3}{10}b^5$ $\frac{3}{10}b^{-5}$
- $\frac{3}{10}b^{-1}$ $\frac{3}{10}b$

Show your work

#5

Simplify

$$\frac{7c^8}{9c^3}$$

- $\frac{7}{9}c^{-5}$ $\frac{7}{9}c^{11}$
- $\frac{7}{9}c^{-11}$ $\frac{7}{9}c^5$

Show your work

#6

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

#7

Simplify

$$\frac{7b^2}{10b^7}$$

- $\frac{7}{10}b^5$ $\frac{7}{10}b^{-5}$
- $\frac{7}{10}b^{-9}$ $\frac{7}{10}b^9$

Show your work

#8

Simplify

$$\frac{9p^9}{3p^6}$$

- $3p^3$ $3p^{-15}$
- $3p^{15}$ $3p^{-3}$

Show your work

#9

Simplify

$$\frac{4p^6}{p^8}$$

- $4p^{-14}$ $4p^{14}$
- $4p^{-2}$ $4p^2$

Show your work

#10

Simplify

$$\frac{8m}{m^3}$$

- $8m^2$ $8m^4$
 $8m^{-4}$ $8m^{-2}$

Show your work

#11

Simplify

$$\frac{4i^7}{3i^6}$$

- $1\frac{1}{3}i^{-1}$ $1\frac{1}{3}i^{13}$
 $1\frac{1}{3}i^{-13}$ $1\frac{1}{3}i$

Show your work

#12

Simplify

$$\frac{10z^5}{2z^9}$$

- $5z^4$ $5z^{-14}$
 $5z^{14}$ $5z^{-4}$

Show your work

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