#1

Simplify

$$\frac{5o^5 \cdot 10o^{10}}{7o^7}$$

- ○ $7\frac{1}{7}o^8$
- ○ $7\frac{1}{7}o^{-22}$
- ○ $7\frac{1}{7}o^{22}$
- ○ $7\frac{1}{7}o^{-8}$

Show your work

#2

Simplify

$$\frac{2k^{10}}{4k^2 \cdot 8k}$$

- ○ $\frac{1}{16}k^{-13}$
- ○ $\frac{1}{16}k^{-7}$
- ○ $\frac{1}{16}k^7$
- ○ $\frac{1}{16}k^{13}$

Show your work

#3

Simplify

$$\frac{2a^9}{9a^6 \cdot 3a^3}$$

- ○ $\frac{2}{27}a^{-18}$
- ○ $\frac{2}{27}$
- ○ $\frac{2}{27}a$
- ○ $\frac{2}{27}a^{18}$

Show your work

Name:

#4

Simplify

$$\frac{n^5 \cdot 3n^{10}}{2n^3}$$

○ $1\frac{1}{2}n^{-12}$

○ $1\frac{1}{2}n^{12}$

○ $1\frac{1}{2}n^{18}$

○ $1\frac{1}{2}n^{-18}$

Show your work

#5

Simplify

$$\frac{8s^2 \cdot 6s}{3s^6}$$

○ $16s^{-3}$

○ $16s^{-9}$

○ $16s^3$

○ $16s^9$

Show your work

#6

Simplify

$$\frac{6r^4}{10r^3 \cdot 8r^7}$$

○ $\frac{3}{40}r^{-6}$

○ $\frac{3}{40}r^6$

○ $\frac{3}{40}r^{-14}$

○ $\frac{3}{40}r^{14}$

Show your work

#7

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

#8

Simplify

$$\frac{8z^{10}}{7z^{3} \cdot 2z^{9}}$$

- ○ $\frac{4}{7}z^{-2}$
- ○ $\frac{4}{7}z^{22}$
- ○ $\frac{4}{7}z^{-22}$
- ○ $\frac{4}{7}z^{2}$

Show your work

#9

Simplify

$$\frac{10u^{7} \cdot 7u^{10}}{8u^{2}}$$

- ○ $8\frac{3}{4}u^{15}$
- ○ $8\frac{3}{4}u^{19}$
- ○ $8\frac{3}{4}u^{-19}$
- ○ $8\frac{3}{4}u^{-15}$

Show your work

Name:

#10

Simplify

$$\frac{5i^4 \cdot i^7}{10i^3}$$

○ $\frac{1}{2}i^{-14}$

○ $\frac{1}{2}i^8$

○ $\frac{1}{2}i^{14}$

○ $\frac{1}{2}i^{-8}$

Show your work

#11

Simplify

$$\frac{3p^9 \cdot 2p^4}{7p^8}$$

○ $\frac{6}{7}p^{21}$

○ $\frac{6}{7}p^{-21}$

○ $\frac{6}{7}p^{-5}$

○ $\frac{6}{7}p^5$

Show your work

#12

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

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