#1

Simplify. Express your answer as a single term.

$(10h^2)^8 =$ ☐ ☐

Show your work

#2

Simplify. Express your answer as a single term.

$$\left(r^{10}\right)^{10}$$

- ○ r^{20}
- ○ r^{100}
- ○ $2r^{20}$
- ○ $2r^{100}$

Show your work

#3

Simplify. Express your answer as a single term.

$$\left(9f^4\right)^3$$

- ○ $729f^7$
- ○ $9f^{12}$
- ○ $729f^{12}$
- ○ $9f^7$

Show your work

#4

Simplify. Express your answer as a single term.

$(8n^5)^7 = \square \ \square$

Show your work

#5

Simplify. Express your answer as a single term.

$(n^3)^6 = \square \ \square$

Show your work

#6

Simplify. Express your answer as a single term.

$(6d^2)^3$

- $216d^6$
- $6d^6$
- $216d^5$
- $6d^5$

Show your work

#7

Simplify. Express your answer as a single term.

$$(7l^2)^9$$

- $40353607l^{18}$
- $40353607l^{11}$
- $7l^{11}$
- $7l^{18}$

Show your work

#8

Simplify. Express your answer as a single term.

$$(9k^9)^3$$

- $729k^{27}$
- $729k^{12}$
- $9k^{12}$
- $9k^{27}$

Show your work

#9

Simplify. Express your answer as a single term.

$(10j^8)^8 =$ [ ] [ ]

Show your work

#10

Simplify. Express your answer as a single term.

$(9k^4)^8 =$ ☐ ☐

Show your work

#11

Simplify. Express your answer as a single term.

$(2z^8)^8 =$ ☐ ☐

Show your work

#12

Simplify. Express your answer as a single term.

$$(4q^6)^6$$

- ○ $4q^{36}$
- ○ $4q^{12}$
- ○ $4096q^{36}$
- ○ $4096q^{12}$

Show your work

Question	Answer
#1	16, 100000000h
#2	choice 2
#3	choice 3
#4	35, 2097152n
#5	18, n
#6	choice 1
#7	choice 1
#8	choice 1
#9	64, 100000000j
#10	32, 43046721k
#11	64, 256z
#12	choice 3