

#1

Simplify. Express your answer as a single term.

$$(6k^7)^7$$

$6k^{49}$

$6k^{14}$

$279936k^{14}$

$279936k^{49}$

Show your work

#2

Simplify. Express your answer as a single term.

$$(4l^4)^3$$

$64l^{12}$

$4l^7$

$4l^{12}$

$64l^7$

Show your work

#3

Simplify. Express your answer as a single term.

$$(5o^9)^8 = \boxed{} \boxed{}$$

Show your work

#4

Simplify. Express your answer as a single term.

$$(10u^8)^2$$

$100u^{10}$

$10u^{10}$

$10u^{16}$

$100u^{16}$

Show your work

#5

Simplify. Express your answer as a single term.

$$(5v^8)^4 = \boxed{} \boxed{}$$

Show your work

#6

Simplify. Express your answer as a single term.

$$(7v^2)^7 = \boxed{} \boxed{}$$

Show your work

#7

Simplify. Express your answer as a single term.

$$(3I^6)^5$$

$3I^{30}$

$3I^{11}$

$243I^{11}$

$243I^{30}$

Show your work

#8

Simplify. Express your answer as a single term.

$$(3t^2)^1$$

$3t^2$

$3t^3$

$4t^3$

$4t^2$

Show your work

#9

Simplify. Express your answer as a single term.

$$(7n^8)^5 = \boxed{} \boxed{}$$

Show your work

#10

Simplify. Express your answer as a single term.

$$(8m^3)^7 = \boxed{} \boxed{}$$

Show your work

#11

Simplify. Express your answer as a single term.

$$(2q^5)^5 = \boxed{} \boxed{}$$

Show your work

#12

Simplify. Express your answer as a single term.

$$(7o^4)^4$$

- $7o^8$ $2401o^8$
 $2401o^{16}$ $7o^{16}$

Show your work

Question	Answer
#1	choice 4
#2	choice 1
#3	72, 390625o
#4	choice 4
#5	32, 625v
#6	14, 823543v
#7	choice 4
#8	choice 1
#9	40, 16807n
#10	21, 2097152m
#11	25, 32q
#12	choice 3