

#1

Simplify. Express your answer as a single term.

$$(a^7)^9$$

a^{-16}

a^{63}

a^{-63}

a^{16}

Show your work

#2

Simplify. Express your answer as a single term.

$$(p^{10})^7 = \boxed{} \boxed{}$$

Show your work

#3

Simplify. Express your answer as a single term.

$$(o^6)^{10} = \boxed{} \boxed{}$$

Show your work

#4

Simplify. Express your answer as a single term.

$$(u^1)^{10}$$

u^{10}

u^{-11}

u^{11}

u^{-10}

Show your work

#5

Simplify. Express your answer as a single term.

$$(g^7)^8$$

g^{-56}

g^{56}

g^{-15}

g^{15}

Show your work

#6

Simplify. Express your answer as a single term.

$$(c^5)^4$$

c^{20}

c^9

c^{-9}

c^{-20}

Show your work

#7

Simplify. Express your answer as a single term.

$$(w^7)^{10} = \boxed{} \boxed{}$$

Show your work

#8

Simplify. Express your answer as a single term.

$$(b^3)^{10}$$

b^{-30}

b^{30}

b^{-13}

b^{13}

Show your work

#9

Simplify. Express your answer as a single term.

$$(q^9)^6$$

q^{15}

q^{-15}

q^{54}

q^{-54}

Show your work

#10

Simplify. Express your answer as a single term.

$$(s^5)^6 = \boxed{} \boxed{}$$

Show your work

#11

Simplify. Express your answer as a single term.

$$(b^4)^2 = \boxed{} \boxed{}$$

Show your work

#12

Simplify. Express your answer as a single term.

$$(t^{10})^9$$

t^{19}

t^{90}

t^{-90}

t^{-19}

Show your work

Question	Answer
#1	choice 2
#2	p, 70
#3	o, 60
#4	choice 1
#5	choice 2
#6	choice 1
#7	w, 70
#8	choice 2
#9	choice 3
#10	s, 30
#11	b, 8
#12	choice 2