

Powers of Exponents (G)

Simplify each expression.

1. $(8^1)^1$

2. $(7^0)^3$

3. $(8^5)^6$

4. $(5^4)^5$

5. $(8^7)^0$

6. $(3^3)^7$

7. $(6^3)^0$

8. $(3^6)^5$

9. $(7^5)^9$

10. $(6^0)^6$

Powers of Exponents (G) Answers

Simplify each expression.

1. $(8^1)^1$

$$= 8$$

2. $(7^0)^3$

$$= 7^0 = 1$$

3. $(8^5)^6$

$$= 8^{30}$$

4. $(5^4)^5$

$$= 5^{20}$$

5. $(8^7)^0$

$$= 8^0 = 1$$

6. $(3^3)^7$

$$= 3^{21}$$

7. $(6^3)^0$

$$= 6^0 = 1$$

8. $(3^6)^5$

$$= 3^{30}$$

9. $(7^5)^9$

$$= 7^{45}$$

10. $(6^0)^6$

$$= 6^0 = 1$$