



Use the law of exponents to rewrite each problem.

1)  $(\frac{1}{6})^5 =$  \_\_\_\_\_

2)  $5^1 =$  \_\_\_\_\_

3)  $(4 \times 2)^9 =$  \_\_\_\_\_

4)  $(5 \times 3)^7 =$  \_\_\_\_\_

5)  $(4^2)^8 =$  \_\_\_\_\_

6)  $2^0 =$  \_\_\_\_\_

7)  $(\frac{1}{5})^8 =$  \_\_\_\_\_

8)  $3^0 =$  \_\_\_\_\_

9)  $3^{-7} =$  \_\_\_\_\_

10)  $(5^9)^2 =$  \_\_\_\_\_

11)  $6^1 =$  \_\_\_\_\_

12)  $3^{-8} =$  \_\_\_\_\_

13)  $4^8 \times 4^{-4} =$  \_\_\_\_\_

14)  $3^8 \times 3^{-6} =$  \_\_\_\_\_

15)  $2^{-6} =$  \_\_\_\_\_

16)  $4^1 =$  \_\_\_\_\_

17)  $4^9 \times 4^5 =$  \_\_\_\_\_

18)  $(\frac{1}{8})^3 =$  \_\_\_\_\_

19)  $5^2 \times 5^8 =$  \_\_\_\_\_

20)  $2^0 =$  \_\_\_\_\_

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_
16. \_\_\_\_\_
17. \_\_\_\_\_
18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_