



Use the law of exponents to rewrite each problem.

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

2)  $9^1 =$  \_\_\_\_\_

3)  $9^8 \times 9^4 =$  \_\_\_\_\_

4)  $8^7 \times 8^{-4} =$  \_\_\_\_\_

5)  $4^{-6} =$  \_\_\_\_\_

6)  $(4^7)^4 =$  \_\_\_\_\_

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

8)  $5^1 =$  \_\_\_\_\_

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

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

11)  $(4^3)^4 =$  \_\_\_\_\_

12)  $4^3 \times 4^{-5} =$  \_\_\_\_\_

13)  $8^0 =$  \_\_\_\_\_

14)  $(5 \times 6)^5 =$  \_\_\_\_\_

15)  $5^9 \times 5^6 =$  \_\_\_\_\_

16)  $3^0 =$  \_\_\_\_\_

17)  $(9 \times 5)^3 =$  \_\_\_\_\_

18)  $9^0 =$  \_\_\_\_\_

19)  $8^3 \times 8^3 =$  \_\_\_\_\_

20)  $(\frac{1}{3})^5 =$  \_\_\_\_\_

Answers

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_