Use the law of exponents to rewrite each problem.

1) \( \left( \frac{1}{6} \right)^5 = \) __________

2) \( 5^1 = \) __________

3) \( (4 \times 2)^9 = \) __________

4) \( (5 \times 3)^7 = \) __________

5) \( (4^2)^8 = \) __________

6) \( 2^0 = \) __________

7) \( \left( \frac{1}{5} \right)^8 = \) __________

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) \( 2^0 = \) __________
Use the law of exponents to rewrite each problem.

1) \(\left(\frac{1}{6}\right)^5 = \) \(\frac{1}{6^5}\)

2) \(5^1 = 5\)

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

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

5) \((4^2)^8 = 4^{2 \times 8}\)

6) \(2^0 = 1\)

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

8) \(3^0 = 1\)

9) \(3^{-7} = \frac{1}{3^7}\)

10) \((5^9)^2 = 5^{9 \times 2}\)

11) \(6^1 = 6\)

12) \(3^{-8} = \frac{1}{3^8}\)

13) \(4^8 \times 4^{-4} = 4^{8 - 4}\)

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

15) \(2^{-6} = \frac{1}{2^6}\)

16) \(4^1 = 4\)

17) \(4^9 \times 4^5 = 4^{9 + 5}\)

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

19) \(5^2 \times 5^8 = 5^{2 + 8}\)

20) \(2^0 = 1\)