



Solve each problem using the laws of exponents.

1) $3^0 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

2) $2^{-4} \times 2^3 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

3) $3^1 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

4) $3^3 \times 3^{-2} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

5) $(3 \times 2)^2 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

6) $3^{-3} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

7) $(2^2)^3 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

8) $2^3 \times 2^4 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

9) $(\frac{1}{3})^3 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

10) $3^2 \times 3^{-4} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____