# Evaluate the Exponents

Name:_____     Date:_____

**Rewrite in Exponent Form**

1)   $8^4 \times 7^4 \times 8^2 \times 7^3 = 8^? \times 7^?$   =   _____

2)   $6^0 \times 9^2 \times 6^3 \times 9^4 = 6^? \times 9^?$   =   _____

3)   $9^2 \times 9^5 \times 9^1 \times 8^3 \times 8^4 = 9^? \times 8^?$   =   _____

4)   $9^4 \times 3^2 = 3^?$   =   _____

5)   $8^4 \times 8^3 = 8^?$   =   _____

6)   $7^4 \times 7^2 \times 7^3 \times 8^1 \times 8^3 = 7^? \times 8^?$   =   _____

7)   $81^7 = 9^?$   =   _____

8)   $4^2 \times 4^4 \times 4^3 \times 5^2 \times 5^3 = 4^? \times 5^?$   =   _____

9)   $9^2 \times 9^3 = 9^?$   =   _____

10)  $100^5 \times 10^4 = 10^?$   =   _____

11)  $36^3 \times 6^6 = 6^?$   =   _____

12)  $64^2 \times 8^3 = 8^?$   =   _____

13)  $16^7 \times 4^5 = 4^?$   =   _____

14)  $81^3 \times 9^4 = 9^?$   =   _____

# Evaluate the Exponents

Name:_____          Date:_____

**Rewrite in Exponent Form**

1) $8^4 \times 7^4 \times 8^2 \times 7^3 = 8^? \times 7^?$  = $\underline{\quad 8^6 \times 7^7 \quad}$

2) $6^0 \times 9^2 \times 6^3 \times 9^4 = 6^? \times 9^?$  = $\underline{\quad 6^3 \times 9^6 \quad}$

3) $9^2 \times 9^5 \times 9^1 \times 8^3 \times 8^4 = 9^? \times 8^?$  = $\underline{\quad 9^8 \times 8^7 \quad}$

4) $9^4 \times 3^2 = 3^?$  = $\underline{\quad 10 \quad}$

5) $8^4 \times 8^3 = 8^?$  = $\underline{\quad 7 \quad}$

6) $7^4 \times 7^2 \times 7^3 \times 8^1 \times 8^3 = 7^? \times 8^?$  = $\underline{\quad 7^9 \times 8^4 \quad}$

7) $81^7 = 9^?$  = $\underline{\quad 14 \quad}$

8) $4^2 \times 4^4 \times 4^3 \times 5^2 \times 5^3 = 4^? \times 5^?$  = $\underline{\quad 4^9 \times 5^5 \quad}$

9) $9^2 \times 9^3 = 9^?$  = $\underline{\quad 5 \quad}$

10) $100^5 \times 10^4 = 10^?$  = $\underline{\quad 14 \quad}$

11) $36^3 \times 6^6 = 6^?$  = $\underline{\quad 12 \quad}$

12) $64^2 \times 8^3 = 8^?$  = $\underline{\quad 7 \quad}$

13) $16^7 \times 4^5 = 4^?$  = $\underline{\quad 19 \quad}$

14) $81^3 \times 9^4 = 9^?$  = $\underline{\quad 10 \quad}$