Evaluate the Exponents

Name:_____ Date:_____

Rewrite in Exponent Form

1) $3^3 \times 3^5 \times 3^2 \times 2^0 \times 2^5 = 3^? \times 2^?$ = _____

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

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

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

5) $10^2 \times 10^3 = 10^?$ = _____

6) $11^2 \times 11^3 \times 11^4 \times 10^8 \times 10^0 = 11^? \times 10^?$ = _____

7) $5^6 \times 5^2 = 5^?$ = _____

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

9) $16^7 \times 4^5 = 4^?$ = _____

10) $2^3 \times 2^4 \times 2^2 \times 3^3 \times 3^4 = 2^? \times 3^?$ = _____

11) $25^5 \times 5^6 = 5^?$ = _____

12) $2^6 \times 4^1 \times 2^2 \times 4^5 = 2^? \times 4^?$ = _____

13) $81^3 \times 9^4 = 9^?$ = _____

14) $100^6 \times 10^7 = 10^?$ = _____

Evaluate the Exponents

Name:_____ Date:_____

Rewrite in Exponent Form

1) $3^3 \times 3^5 \times 3^2 \times 2^0 \times 2^5 = 3^? \times 2^?$ = $3^{10} \times 2^5$

2) $4^3 \times 4^4 = 4^?$ = 7

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

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

5) $10^2 \times 10^3 = 10^?$ = 5

6) $11^2 \times 11^3 \times 11^4 \times 10^8 \times 10^0 = 11^? \times 10^?$ = $11^9 \times 10^8$

7) $5^6 \times 5^2 = 5^?$ = 8

8) $6^3 \times 6^4 \times 6^2 \times 8^3 \times 8^4 = 6^? \times 8^?$ = $6^9 \times 8^7$

9) $16^7 \times 4^5 = 4^?$ = 19

10) $2^3 \times 2^4 \times 2^2 \times 3^3 \times 3^4 = 2^? \times 3^?$ = $2^9 \times 3^7$

11) $25^5 \times 5^6 = 5^?$ = 16

12) $2^6 \times 4^1 \times 2^2 \times 4^5 = 2^? \times 4^?$ = $2^8 \times 4^6$

13) $81^3 \times 9^4 = 9^?$ = 10

14) $100^6 \times 10^7 = 10^?$ = 19