

Evaluate the Exponents

Name: _____

Date: _____

Rewrite in Exponent Form

1) $64^8 = 8^?$ = 16

2) $25^4 = 5^?$ = _____

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

4) $81^3 = 9^?$ = _____

5) $3^4 \times 3^6 = 3^?$ = _____

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

7) $49^2 \times 7^4 = 7^?$ = _____

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

9) $7^3 \times 7^7 = 7^?$ = _____

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

13) $16^3 = 4^?$ = _____

14) $4^6 \times 3^4 \times 4^2 \times 3^3 = 4^? \times 3^?$ = _____

Evaluate the Exponents

Name: _____

Date: _____

Rewrite in Exponent Form

1) $64^8 = 8^?$ = 16

2) $25^4 = 5^?$ = 8

3) $36^6 \times 6^3 = 6^?$ = 15

4) $81^3 = 9^?$ = 6

5) $3^4 \times 3^6 = 3^?$ = 10

6) $7^4 \times 7^2 \times 7^3 \times 8^1 \times 8^3 = 7^? \times 8^?$ = $7^9 \times 8^4$

7) $49^2 \times 7^4 = 7^?$ = 8

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

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

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) $100^5 \times 10^4 = 10^?$ = 14

13) $16^3 = 4^?$ = 6

14) $4^6 \times 3^4 \times 4^2 \times 3^3 = 4^? \times 3^?$ = $4^8 \times 3^7$