

Name : \_\_\_\_\_

# Exponents

A) Express each numeral as a product of power of primes.

1) 8,640

2) 144

3) 3,179

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4) 297

5) 4,000

6) 6,137

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

7) 1,625

7,986

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

10) 550

845

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

B) 1) Which of the follow

i)  $13 \cdot 19^2$

iv)  $2 \cdot 13 \cdot 19^2$

2) Which of the following expressions equals 720?

i)  $2^3 \cdot 3^2 \cdot 5$

ii)  $2^4 \cdot 3^2 \cdot 5$

iii)  $3^4 \cdot 5^3$

iv)  $2^5 \cdot 3$

3) Which of the following expressions equals 5,625?

i)  $3^6 \cdot 5$

ii)  $3 \cdot 5^3$

iii)  $3^2 \cdot 5^4$

iv)  $3^4 \cdot 5^2$

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**Exponents**

A) Express each numeral as a product of power of primes.

1) 8,640

$2^6 \cdot 3^3 \cdot 5$

2) 144

$2^4 \cdot 3^2$

3) 3,179

$11 \cdot 17^2$

4) 297

$3^3 \cdot 11$

5) 4,000

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$17 \cdot 19^2$

7) 1,625

$5^3 \cdot 13$

7,986

$2 \cdot 3 \cdot 11^3$

10) 550

$2 \cdot 5^2 \cdot 11$

845

$5 \cdot 13^2$

B) 1) Which of the follow

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