

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

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Factoring Monomials

Write the prime factorization of each. Do not use exponents.

1)  $14n^3p^2$

6)  $10hb$

2)  $14w^3r$

7)  $12x^3r^3$

3)  $15k$

8)  $15qx^2$

4)  $4h^2g^3$

9)  $18m^2q$

5)  $10xg^3$

10)  $16g^2$



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## Factoring Monomials

Write the prime factorization of each. Do not use exponents.

1)  $14n^3p^2$

$$2 * 7 * n * n * n * p * p$$

6)  $10hb$

$$2 * 5 * h * b$$

2)  $14w^3r$

$$2 * 7 * w * w * w * r$$

7)  $12x^3r^3$

$$2 * 2 * 3 * x * x * x * r * r * r$$

3)  $15k$

$$3 * 5 * k$$

8)  $15qx^2$

$$3 * 5 * q * x * x$$

4)  $4h^2g^3$

$$2 * 2 * h * h * g * g * g$$

9)  $18m^2q$

$$2 * 3 * 3 * m * m * q$$

5)  $10xg^3$

$$2 * 5 * x * g * g * g$$

10)  $16g^2$

$$2 * 2 * 2 * 2 * g * g$$

