

Name : _____

Factors: Algebraic Identities

MS1

Factorize each expression using algebraic identities.

1) $25s^2 - 60s + 36$

2) $g^2 + \frac{4g}{h} + \frac{4}{h^2}$

3) $x^2y^2 + 22xyz$

$8q^2r^2$

5) $\frac{9}{t^2} - \frac{18}{t} + 9$

7) $9m^2 - 42mn$

yz

9) $4v^2w^2 + 64 + 32vw$

10) $\frac{4}{c^2} + \frac{12}{cd} + \frac{9}{d^2}$

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