

Name : _____

MS3

Factors: Algebraic Identities

Factorize each expression using algebraic identities.

1) $\frac{64}{r^2} - \frac{48}{r} + 9$

2) $36u^2v - 24uv + 4v$

3) $4a^2b^2 - 4abc$

5) $16s^2 + 9 + 24$

7) $8c^2d^2 - 56cd$

9) $\frac{16}{p^2} + \frac{24}{pq} + \frac{9}{q^2}$

10) $y^2z^2 + 16z^2 - 8yz^2$

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