Name : _____

Factors: Algebraic Identities

Factorize each expression using algebraic identities.

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

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

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

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

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

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

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