

Name : _____

Factors: Algebraic Identities

MS2

Factorize each expression using algebraic identities.

1) $4p^2 + 28pq + 49q^2$

2) $a^2b^2 - 2abcd + c^2d^2$

3) $\frac{6}{t^2} - \frac{24u}{t} + 24u^2$

5) $75xy^2 + 30xy$

7) $v^2w^2 + 4v + \frac{4}{v}$

9) $r^2 - 16rst + 64s^2t^2$

10) $mn^2 + 26mn + 169m$

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