

Name : _____

Factors: Algebraic Identity

ES1

Factorize each expression using algebraic identity.

1) $t^2 + u^2 + v^2 + 2tu - 2uv - 2tv$

2) $m^2 + n^2 - 2mn - 6n + 6m + 9$

3) $x^2 + y^2 + 2xy + \frac{1}{z^2}$ $2t + 12s + 36$

5) $r^2 + s^2 + 2rs + 10s$ $14d - 14c + 49$

7) $k^2 - 18k + \frac{1}{k^2} - \frac{18}{k}$ $4q + 4p + 4$

9) $h^2 + g^2 - 2gh - 16g + 16h + 64$

10) $a^2 + b^2 + c^2 - 2ab - 2bc + 2ac$

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