Name : _____

Factors: Algebraic Identities

Factorize each expression using algebraic identities.

1) $m^2 - 2mn + n^2$

2) $u^2 + 4u + 4$

3) $z^2 - 10z + 25$

5) $r^2s^2 + 6rs + 9$

7) $\dfrac{1}{u^2} - 2 + u^2$

9) $a^2 + 16 - 8a$

10) $\dfrac{1}{p^2} - \dfrac{2}{pq} + \dfrac{1}{q^2}$