Name : _____

Factors: Algebraic Identities

Factorize each expression using algebraic identities.

1) $8a^2 - 32b^2$

2) $9u^2 + \dfrac{4}{u^2} + 12$

3) $7z^3 - z^4 - 12z$ ... $+ z^2$

5) $\dfrac{4n}{m^2} + \dfrac{8n}{m} + $

7) $\dfrac{36}{t^2} - \dfrac{120}{t} + 1$

9) $p^2 + 9pq + 20q^2$

10) $36k^2 + 12K + 1$