

Name : _____

Factors: Algebraic Identities

MS1

Factorize each expression using algebraic identities.

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

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

3) $7z^3 - z^4 - 12z$

$+ z^2$

5) $\frac{4n}{m^2} + \frac{8n}{m} + 3$

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

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

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

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