Name : _____

Factors: Algebraic Identities

Factorize each expression using algebraic identities.

1) $9n^2 + \dfrac{1}{n^2} + 6$

2) $16r^2s^2 - 4r^3s^3 - 7rs$

3) $\dfrac{a^3}{b^2} - 100a$

5) $25z^2 + 25z +$

$5p^2$

7) $8h^2 - 2g^2$

9) $\dfrac{9}{u^2} - \dfrac{24}{u} + 16$

10) $4c^4 - 8c^3d + 4c^2d^2$