

Name : _____

Factors: Algebraic Identities

Sheet 1

Factorize each expression using algebraic identities.

1) $t^4 + 2 + \frac{1}{t^4}$

2) $2m^2n^6 - 20mn^3 + 50$

3) $(3x - 5)^2 - 64$

35

5) $4k^8 + 8k^4 - 4$

$c^4 + 16a^2b^2c^2$

7) $64p^4 + 16q^4$

9) $(s + 2)^2 + 17(s + 2) + 72$

10) $v^9 - u^6v$

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