

Name: _____

Math is Gold

Date: _____

Topic: Factorization

(id:fa_perf_sqr_A.1)

Title: Check if it is a perfect square trinomial and factor.

1) $4x^4 + 4x^2 + 1$

2) $x^4 + 6x^2 + 9$

3) $25y^4 + 10y^2 + 1$

4) $a^4 + 10a^2 + 25$

5) $c^4 - 14c^2 + 49$

6) $4x^6 - 4x^3 + 1$

$$7) x^6 - 4x^3 + 4$$

$$8) 25x^6 + 30x^3 + 9$$

$$9) c^6 - 10c^3 + 25$$

$$10) 9d^6 + 6d^3 + 2$$

$$11) a^8 + 2a^4 + 1$$

$$12) x^8 - 4x^4 + 4$$

$$13) 4x^8 - 12x^4 + 9$$

$$14) x^{10} + 2x^5 + 1$$

$$15) 4x^{10} - 4x^5 - 1$$