

Name \_\_\_\_\_

Alg2a Q2 Quiz 6 Review

January 7, 2019  
Factoring with  $X^4$

## Part IV: Factoring with $x^4$

1)  $7x^4 - 2x^2 - 9$

2)  $8x^4 - 14x^2 - 9$

3)  $28,561x^4 - 256$

4)  $9x^4 + 11x^2 - 100$

*Review Due: Tuesday, January 8 Quiz: Wednesday, January 9*

Name \_\_\_\_\_

Alg2a Q2 Quiz 6 Review

January 7, 2019

Factoring with  $X^4$

5)  $5x^4 - 12x^2 - 9$

6)  $16x^4 + 40x^2 - 11$

7)  $256x^4 - 1$

8)  $2,401x^8 - 256$  (be careful with  $x^8$ )

**Answer Key:**

1)  $(7x^2 - 9)(x^2 + 1)$

2)  $(2x^2 - 1)(2x + 3)(2x - 3)$

3)  $(169x^2 + 16)(13x + 4)(13x - 4)$

4)  $(x^2 + 4)(3x + 5)(3x - 5)$

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

6)  $(4x^2 + 11)(2x + 1)(2x - 1)$

7)  $(16x^2 + 1)(4x + 1)(4x - 1)$

8)  $(49x^4 + 16)(7x^2 + 4)(7x^2 - 4)$

**Review Due: Tuesday, January 8 Quiz: Wednesday, January 9**