

Name _____
Alg2a Test In Class Review

January 9, 2019
Case II Mix

1) $24x^2 + 10x - 6$

2) $24x^2 - 2x - 5$

3) $24x^2 - 96x + 72$

4) $196x^2 - 9$

5) $144x^2 - 9$

6) $144x^2 - 256$

Name _____
Alg2a Test In Class Review

January 9, 2019
Case II Mix

7) $64x^4 - 20x^2 + 1$

8) $x^4 - 21x - 100$

9) $x^4 - 625$

7) $30x^2 - 9x - 3$

8) $30x^2 + x - 7$

9) $30x^2 + 390x + 1,260$

10) $121x^2 - 4$

11) $64x^2 - 4$

12) $400x^2 - 36$

13) $100x^2 - 49$

14) $100x^2 - 25$

15) $100x^2 - 625$

Answer Key:

- | | | |
|----------------------|----------------------|-----------------------|
| 1) $(4x+3)(3x-2)$ | 2) $4(3x+1)(x-2)$ | 3) $12(x-3)(x-5)$ |
| 4) $24(x+6)(x+3)$ | 5) $3(2x+1)(4x-1)$ | 6) $(24x+5)(x-1)$ |
| 7) $3(5x-1)(2x-1)$ | 8) $(2x+1)(15x-7)$ | 9) $30(x+6)(x+7)$ |
| 10) $(11x+2)(11x-2)$ | 11) $4(4x+1)(4x-1)$ | 12) $4(10x+3)(10x-3)$ |
| 13) $(10x+7)(10x-7)$ | 14) $25(2x+1)(2x-1)$ | 15) $25(2x+5)(2x-5)$ |