Algebra 2 Name_____

© 2016 Kuta Software LLC. All rights reserved.

HW #1 Factoring (SHOW ALL WORK)

Date_____

Find each product.

1) $4x(8x - 3)$

2) $7a(5a^2 + 5a + 8)$

3) $(6n - 8)(2n + 7)$

4) $(4x - 2y)(x - 7y)$

Factor the common factor out of each expression.

5) $35v^2 - 21v - 49$

6) $50v^6 + 10v^2 - 100v$

7) $20y^5x^4 + 15y^5x + 5y^3$

8) $-80xy^2 - 100x^2y^4 + 50x^3y^2$

Factor each completely by grouping (if 4 terms) or Trinomials.

9) $49n^3 + 7n^2 + 56n + 8$

10) $12x^3 - 14x^2 + 30x - 35$

© 2016 Kuta Software LLC. All rights reserved. Made with Infinite Algebra 1.

11) $4x^3 + 7x^2 + 20x + 35$

12) $5x^3 + 15x^2 + 3x + 9$

13) $x^2 + 10x + 25$

14) $a^2 - 4a + 4$

15) $16m^2 - 8m + 1$

16) $16n^2 - 25$

17) $x^2 + 5x - 14$

18) $n^2 + 8n + 15$

19) $n^2 + 2n - 3$

20) $9n^2 - 43n - 10$

21) $9p^2 - 4$

22) $6x^2 - 17x - 14$

© 2016 Kuta Software LLC. All rights reserved. Made with Infinite Algebra 1.