

Factoring- All Types!!!

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Date _____ Period _____

Factor. Hint: take out the GCF

1) $5x^5 - 30x^2$

2) $-18v^2 - 9v$

3) $32x^2y^4 - 24xy$

4) $90a^9 + 27a^2b^3$

5) $20a^9b^5 + 4a^5b^4$

6) $2x^2 + 12x - 10$

7) $4ba^4 - 18b^3 - 8b$

8) $21xy^5 - 42x^2y + 49xy$

Factor. Hint: Starts with 1 (easy problems!)

9) $a^2 - 5a - 6$

10) $n^2 + n - 12$

11) $x^2 - 13x + 36$

12) $x^2 - 7x + 10$

Factor. Hint: 1st step - (a)(c)

13) $10r^2 - 11r + 1$

14) $4k^2 + 8k - 21$

15) $4p^2 - 20p + 9$

16) $4m^2 - 39m - 10$

Factor. Hint: take out a common factor 1st!

17) $20x^2 + 82x + 80$

18) $20n^2 - 66n - 14$

19) $40x^2 + 44x - 24$

20) $12p^2 - 26p - 16$

Factor each completely. Hint: different of two squares

21) $4v^2 - 25$

22) $9b^2 - 4$

23) $x^2 - 16$

24) $9x^2 - 1$

Factor each completely. Hint: perfect squares

25) $9k^2 - 12k + 4$

26) $25a^2 + 20a + 4$

27) $9x^2 + 6x + 1$

28) $16p^2 - 8p + 1$