Math 3 Honors Name_____

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Factoring HW

Factor each completely.

1) $10n^3 + 8n^2 + 5n + 4$

2) $20r^3 + 4r^2 + 15r + 3$

3) $8p^3 + 10p^2 + 20p + 25$

4) $m^3 - 2m^2 + m - 2$

5) $x^2 + x - 72$

6) $b^2 + 11b + 18$

7) $n^2 - 14n + 48$

8) $m^2 + 10m + 21$

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9) $x^4 - 3x^2$

10) $x^4 + 7x^2 + 10$

11) $x^3 + 1$

12) $u^3 + 125$

13) $u^3 - 27$

14) $x^3 - 125$

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

16) $n^2 - 25$

17) $4x^2 - 9$

18) $9n^2 - 25$

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