Factoring Practice   Phenomenal Factorer: Date:

Factor each of the following, making sure to check your work when you are done.

1. $x^2 - 7x - 18$ 2. $n^2 - 5n - 14$

3. $x^2 - 16x + 48$ 4. $r^2 - 13r - 30$

5. $5t^2 + 20t - 25$ 6. $7n^2 + 31n + 12$

7. $9t^2 - 6t + 1$

8. $10r^2 + 81r + 8$

Challenge:

9. There are 6 values of "b" that make the polynomial below factorable, what are they?

$x^2 + bx + 12$

10. Find 4 values of "c" that make that polynomial below factorable.

$x^2 - 3x + c$