

Name: _____

Date: _____

Leading coefficient in front? Try GCF first, then factor what remains - or use ac-splitting. Last two are challenge problems!

1. Factor $2x^2 + 6x + 4$ (GCF first!).

show your work

2. Factor $3x^2 - 3x - 18$.

show your work

3. Factor $2x^2 + 7x + 3$.

show your work

4. Factor $3x^2 + 10x + 8$.

show your work

5. Factor $2x^2 - x - 6$.

show your work

6. Factor $5x^2 + 13x - 6$.

show your work

7. Factor $4x^2 - 9$. (Not a trinomial - what is it?)

show your work

8. Factor $6x^2 + 7x + 2$.

show your work

9. Factor $4x^2 - 100$ completely. ★ CHALLENGE

show your work

10. Factor $2x^3 + 10x^2 + 12x$ ★ CHALLENGE completely.

show your work