

FACTOR EACH OF THE FOLLOWING. MAKE SURE THAT YOU FACTOR COMPLETELY
(common, decomposition, difference of squares, NOT Factorable, or combinations of these are possible).
Show ALL of your steps please.

1. $2x(x-5) + 7(x-5)$

2. $2a^4b^5 - 5a^2b + 9ab$

3. $x^2 - 7x + 12$

4. $x^2 - 3x - 10$

5. $x^2 + 22x + 120$

6. $x^2 - 10x + 14$

7. $8x^2 + 33x + 4$

8. $3x^2 + 21x + 30$

9. $6x^2 - 3x - 30$

10. $2x^2 - 10x - 48$

11. $4x^2 - 15x - 4$

12. $2x^2 + 11x - 6$

13. $x^2 - 14x + 49$

14. $x^2 - 36$

15. $16x^2 + 48x + 32$

16. $4x^2 - 100$

17. $25x^2 - 64y^2$

18. $100x^2 - 4$

