

#1-15, Factor each trinomial.

1. $x^2 + 6x + 8$

2. $m^2 - 7m - 18$

3. $x^2 - 9x + 14$

4. $x^2 - 6x - 7$

5. $w^2 - 10w + 16$

6. $y^2 - 6y - 27$

7. $a^2 - 2a - 3$

8. $a^2 + 2a - 3$

9. $a^2 + 4a + 3$

10. $m^2 + 3m - 10$

11. $x^2 - 4x + 45$

*12. $a^2 - 5a - 6$

13. $x^2 + 13x + 42$

14. $x^2 + x - 56$

15. $m^2 - m - 2$

#16-18, Factor completely (you should always check for a GCF first).

16. $x^3 + 10x^2 + 21x$

17. $3w^3 + 33w^2 + 30w$

18. $4m^4 + 20m^3 - 96m^2$