

Practice**Factoring Trinomials**

Factor each trinomial, if possible. If the trinomial cannot be factored using integers, write prime.

1. $t^2 + 8t + 12$

2. $w^2 + 24w + 144$

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

4. $n^2 + 3n - 18$

5. $v^2 - 18v + 80$

6. $p^2 - p - 56$

7. $b^2 + 8b - 22$

8. $x^2 + 7x - 44$

9. $y^2 - 5y - 84$

10. $32 + 18r + r^2$

11. $48 - 16e + e^2$

12. $s^2 + 17s + 52$

13. $102 - 23t + t^2$

14. $u^2 - 16u - 36$

15. $a^2b^2 + ab - 6$

16. $a^2b^2 + 5ab + 6$

17. $m^2 - mv - 56v^2$

18. $j^2 - 9jk - 10k^2$

19. $3h^2 + 2h - 16$

20. $6c^2 + 7c + 2$

21. $5p^2 - 22p + 8$

22. $8m^2 - 10m + 3$

23. $6z^2 - 5z - 4$

24. $15y^2 - y - 2$

25. $18x^2 + 9xz + z^2$

26. $20m^2 + 13mn + 2n^2$

27. $5\ell^2 - 26\ell x + 5x^2$

28. $15s^2 - 16st + 4t^2$