

## Practice

Student Edition  
Pages 574–580**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.  $15s^2 - 16st + 4t^2$~~