

Factor the following Type I general trinomials, after factoring out the Greatest Common Factor, if any.

1.  $a^2 - 2a - 3$

2.  $3y^2 + 9y - 12$

3.  $a^2 + 5a - 36$

4.  $4c^3 + 4c^2 - 24c$

5.  $x^2y - 7xy + 10y$

6.  $6x^2 + 30x + 24$

7.  $x^2 - 7x - 18$

8.  $p^2 - 5p - 14$

9.  $3m^2n - 27mn + 24n$

10.  $x^2 - 16xy + 63y^2$

11.  $a^2 - 4ab + 3b^2$

12.  $x^2 - 99x - 100$