

# Pre-6 Worksheet (2 pages)

Factor all the following Quadratics Completely.

1.  $p^2 - 4p - 45$

2.  $v^2 + 14v + 40$

3.  $b^2 + 16b + 64$

4.  $a^2 + 2a - 99$

5.  $x^2 - 3x - 28$

6.  $x^2 - 40x + 400$

7.  $k^2 - 7k + 12$

8.  $r^2 - 23r - 28$

9.  $25w^2 - 70w + 49$

10.  $8x^2 + 10x + 3$

11.  $6m^2 + 7m - 3$

12.  $4x^2 + 12x + 9$

13.  $3n^2 + 19n + 20$

14.  $10x^2 - 19x - 15$

15.  $16x^2 - 80x + 100$

16.  $3x^2 + 19x + 20$

17.  $10z^2 - 19z - 15$

18.  $4x^2 - 1$

19.  $8x^2 - 14x - 15$

20.  $x^2 - 10x + 12$

21.  $25m^2 - 36$

22.  $10p^2 + 4p + 68$

23.  $3x^2 - 8x + 4$

24.  $x^2 - 9$

25.  $24x^2 - 6xy - 9y^2$

26.  $18x^3 + 3x^2 - 6x$

27.  $18m^2n^4 - 12m^2n^3 + 24m^2n^2$

28.  $5x^2 - 45y^2$

29.  $16x^2 - y^4$

30.  $(x + 4)^2 - (y + 1)^2$

31.  $y^8 - 81$

32.  $t^3 - t^2 + t - 1$

33.  $(x - 1)^2 - 10(x - 1) + 25$

34.  $h^2 - (a^2 - 6a + 9)$

35.  $x^2(x^2 - 4) + 4x(x^2 - 4) + 4(x^2 - 4)$