

Factoring Trinomial Squares with Leading Coefficient of 1

Factor each completely.

1) $x^2 + 7x + 6$

3) $p^2 - 4p - 45$

5) $x^2 - 7x - 8$

7) $a^2 + 14a + 48$

9) $p^2 + 4p + 4$

11) $r^2 - r + 4$

13) $x^2 - 8x - 9$

15) $n^2 - 7n - 18$

17) $m^2 + 12m + 27$

19) $v^2 - 4v - 60$

21) $u^2 + uv - 6v^2$

23) $x^2 + 7xy - 30y^2$

25) $x^2 + 9xy + 18y^2$

27) $x^2 - 14xy + 48y^2$

29) $m^2 - 7mn - 8n^2$

31) $x^2 + 2xy + 4y^2$

33) $x^2 + 12xy + 32y^2$

35) $u^2 - 12uv + 20v^2$

37) $x^2 + 2xy + 12y^2$

39) $u^2 + 8uv + 12v^2$

2) $x^2 - 7x + 6$

4) $b^2 - 8b + 12$

6) $k^2 + 5k - 5$

8) $n^2 - 15n + 50$

10) $x^2 - 6x - 27$

12) $x^2 + x - 72$

14) $p^2 + 12p + 36$

16) $m^2 + 11m + 28$

18) $n^2 - 8n - 72$

20) $v^2 - 4v - 12$

22) $x^2 + 4xy - 12y^2$

24) $x^2 + 13xy + 36y^2$

26) $x^2 - 12xy + 32y^2$

28) $x^2 + 3xy - 40y^2$

30) $x^2 - 8xy + 7y^2$

32) $a^2 + 4ab - 5b^2$

34) $x^2 + 9xy + 14y^2$

36) $n^2 - uv - 2v^2$

38) $m^2 + 13mn + 40n^2$

40) $x^2 + 10xy + 16y^2$

Perfect Square Trinomial Worksheet Kuta

Richard Bailey

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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