

## Answers to Factoring Trinomial Squares with Leading Coefficient Different from 1

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|------------------------|-------------------------|-------------------------|------------------------|
| 1) $(7m - 1)(m + 1)$   | 2) $(3k - 7)(k - 1)$    | 3) $(5x + 9)(x - 9)$    | 4) $(2x + 9)(x - 9)$   |
| 5) $(3n - 10)(n - 2)$  | 6) $(2r - 5)(r + 6)$    | 7) Not factorable       | 8) $(5x - 4)(x - 2)$   |
| 9) $(7p - 6)(p - 2)$   | 10) $(3v - 7)(v + 7)$   | 11) $(7x + 9)(x - 5)$   | 12) $(5p - 2)(p - 10)$ |
| 13) $(5x - 3)(x - 8)$  | 14) $(5x + 6)(x + 4)$   | 15) $(3r + 10)(r + 10)$ | 16) $(2x - 5)(x + 1)$  |
| 17) $(5p + 4)(p + 3)$  | 18) $(2m + 9)(m - 3)$   | 19) $(3n - 2)(n + 4)$   | 20) Not factorable     |
| 21) $(5n + 7)(2n - 7)$ | 22) $(3x + 10)(2x + 7)$ | 23) $(3x - 5)(3x + 8)$  | 24) $(n + 10)(8n - 9)$ |
| 25) $(2m + 7)(2m - 9)$ | 26) $(3r + 5)(2r + 9)$  | 27) $(x - 8)(4x - 3)$   | 28) $(m + 2)(10m + 3)$ |
| 29) Not factorable     | 30) $(2r - 3)(3r - 4)$  |                         |                        |