

Answers to Special Factors

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|---------------------------|-----------------------------|--------------------------|
| 1) $(1+x)(1-x+x^2)$ | 2) $(a-6)(a^2+6a+36)$ | 3) $(x-3)(x^2+3x+9)$ |
| 4) $(5x-6)(25x^2+30x+36)$ | 5) $(2x-3)(4x^2+6x+9)$ | 6) $(2m+5)(4m^2-10m+25)$ |
| 7) $(x-2y)(x^2+2xy+4y^2)$ | 8) $(3m+2n)(9m^2-6mn+4n^2)$ | 9) $(6x^2+1)(2x-5)$ |
| 10) $(5n^2+3)(n-5)$ | 11) $(5r^2+8)(r+6)$ | 12) $(4n^2+7)(2n+3)$ |
| 14) $(7n^2-5)(8n-1)$ | | 13) $(x-1)^2(x+1)$ |