

Answers to Factoring Polynomials Worksheet

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|---------------------------|--------------------------|---------------------------|---------------------------|
| 1) $y = (x + 4)(x + 2)$ | 2) $y = (x + 2)(x + 1)$ | 3) $y = (x + 2)(x - 2)$ | 4) $y = x^2 - 8x - 10$ |
| 5) $y = (x + 3)(x - 4)$ | 6) $y = (x + 1)(x - 1)$ | 7) $y = x^2 - 4x + 8$ | 8) $y = (x + 5)(x - 2)$ |
| 9) $y = (x + 1)(x - 5)$ | 10) $y = (x - 5)(x + 3)$ | 11) $y = (3x + 4)(x - 5)$ | 12) $y = (5x - 3)(x - 3)$ |
| 13) $y = (2x + 5)(x + 2)$ | 14) $y = x(3x - 4)$ | 15) $3m(m - 1)(m - 9)$ | 16) $5(x + 9)(x - 4)$ |
| 17) $5x(x - 3)$ | 18) $3(x + 8)(4x - 9)$ | 19) $4(2x + 3)(5x + 6)$ | 20) $(2x + 3)(2x + 5)$ |
| 21) $x(3x - 1)(3x - 8)$ | 22) $(3x - 8)(2x - 3)$ | | |