

# Math worksheet

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Factor completly:

$$x^2 + 12x + 32: \quad (x+4)(x+8) \qquad x^2 + 19x + 90: \quad (x+10)(x+9)$$

$$x^2 + 7x + 12: \quad (x+4)(x+3) \qquad x^2 - 8x - 20: \quad (x+2)(x-10)$$

$$x^2 + 9x + 18: \quad (x+3)(x+6) \qquad x^2 - 16x + 63: \quad (x-7)(x-9)$$

$$x^2 + 7x + 12: \quad (x+3)(x+4) \qquad x^2 + 26x + 48: \quad (x+24)(x+2)$$

$$x^2 + 13x + 40: \quad (x+5)(x+8) \qquad x^2 - 7x + 10: \quad (x-2)(x-5)$$

$$x^2 + 18x + 81: \quad (x+9)(x+9) \qquad x^2 - 7x + 10: \quad (x-2)(x-5)$$

$$x^2 + 9x + 20: \quad (x+4)(x+5) \qquad 24x^2 + 186x + 276: (4x+23)(6x+12)$$

$$x^2 + 12x + 35: \quad (x+5)(x+7) \qquad 6x^2 + 33x + 42: \quad (6x+21)(x+2)$$

$$x^2 + 9x + 8: \quad (x+1)(x+8) \qquad 5x^2 + 37x + 14: \quad (x+7)(5x+2)$$

$$x^2 + 12x + 20: \quad (x+10)(x+2) \qquad 14x^2 + 44x - 48: \quad (2x+8)(7x-6)$$

$$x^2 + 12x + 20: \quad (x+10)(x+2) \qquad 15x^2 + 86x + 32: \quad (3x+16)(5x+2)$$

$$x^2 + 20x - 69: \quad (x-3)(x+23) \qquad 2x^2 + 40x + 200: \quad (2x+20)(x+10)$$

$$x^2 - 4x - 12: \quad (x+2)(x-6) \qquad 42x^2 + 26x - 36: \quad (6x-4)(7x+9)$$

$$x^2 + 25x + 114: \quad (x+19)(x+6) \qquad 10x^2 - 46x + 24: \quad (2x-8)(5x-3)$$

$$x^2 + 40x + 375: \quad (x+15)(x+25) \qquad 24x^2 + 84x + 60: \quad (4x+4)(6x+15)$$