

Math worksheet

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Factor completely:

$$x^2 + 5x + 4: (x+4)(x+1) \qquad x^2 + 24x + 135: (x+9)(x+15)$$

$$x^2 + 14x + 49: (x+7)(x+7) \qquad x^2 + 38x + 352: (x+22)(x+16)$$

$$x^2 + 3x + 2: (x+2)(x+1) \qquad x^2 + 12x + 35: (x+7)(x+5)$$

$$x^2 + 9x + 20: (x+4)(x+5) \qquad x^2 + 8x - 33: (x-3)(x+11)$$

$$x^2 + 12x + 32: (x+8)(x+4) \qquad x^2 + 40x + 396: (x+18)(x+22)$$

$$x^2 + 13x + 40: (x+8)(x+5) \qquad x^2 + 40x + 396: (x+18)(x+22)$$

$$x^2 + 9x + 14: (x+7)(x+2) \qquad 15x^2 + 156x + 396: (x+6)(5x+22)(3)$$

$$x^2 + 9x + 20: (x+4)(x+5) \qquad 42x^2 + 231x + 315: (2x+5)(x+3)(21)$$

$$x^2 + 3x + 2: (x+2)(x+1) \qquad 35x^2 + 61x - 78: (5x+13)(7x-6)$$

$$x^2 + 6x + 5: (x+5)(x+1) \qquad 6x^2 + 89x + 330: (2x+15)(3x+22)$$

$$x^2 + 6x + 5: (x+5)(x+1) \qquad 30x^2 - 16x - 32: (5x+4)(3x-4)(2)$$

$$x^2 + 12x - 220: (x+22)(x-10) \qquad 3x^2 + 37x - 70: (x+14)(3x-5)$$

$$x^2 + 16x - 225: (x-9)(x+25) \qquad 42x^2 - 100x + 50: (3x-5)(7x-5)(2)$$

$$x^2 + 29x + 180: (x+9)(x+20) \qquad 42x^2 + 64x - 160: (7x+20)(3x-4)(2)$$

$$x^2 + 16x - 161: (x+23)(x-7) \qquad 42x^2 + 80x - 250: (7x+25)(3x-5)(2)$$