

# Math worksheet

By Joshua Himmens, [joshua.himmens@gmail.com](mailto:joshua.himmens@gmail.com)

Factor completly:

$$x^2 + 10x + 21: (x+3)(x+7) \qquad x^2 + 2x - 48: (x-6)(x+8)$$

$$x^2 + 5x + 6: (x+2)(x+3) \qquad x^2 + 27x + 170: (x+10)(x+17)$$

$$x^2 + 12x + 32: (x+8)(x+4) \qquad x^2 + 8x - 153: (x-9)(x+17)$$

$$x^2 + 9x + 8: (x+1)(x+8) \qquad x^2 + 22x - 48: (x+24)(x-2)$$

$$x^2 + 15x + 50: (x+5)(x+10) \qquad x^2 + 48x + 575: (x+23)(x+25)$$

$$x^2 + 10x + 25: (x+5)(x+5) \qquad x^2 + 48x + 575: (x+23)(x+25)$$

$$x^2 + 9x + 8: (x+1)(x+8) \qquad 5x^2 + 116x + 231: (x+21)(5x+11)$$

$$x^2 + 12x + 35: (x+5)(x+7) \qquad 5x^2 + 94x + 224: (5x+14)(x+16)$$

$$x^2 + 12x + 32: (x+8)(x+4) \qquad 9x^2 - 51x + 70: (3x-10)(3x-7)$$

$$x^2 + 14x + 40: (x+10)(x+4) \qquad 8x^2 + 8x - 70: (2x+7)(2x-5)(2)$$

$$x^2 + 14x + 40: (x+10)(x+4) \qquad 5x^2 + 132x + 288: (x+24)(5x+12)$$

$$x^2 - 16x + 60: (x-10)(x-6) \qquad 12x^2 - 26x - 88: (6x+11)(x-4)(2)$$

$$x^2 - 9x + 8: (x-1)(x-8) \qquad 8x^2 + 134x + 456: (4x+19)(x+12)(2)$$

$$x^2 + 6x + 8: (x+2)(x+4) \qquad 30x^2 - 11x - 30: (6x+5)(5x-6)$$

$$x^2 + 25x + 66: (x+22)(x+3) \qquad 24x^2 + 88x + 70: (6x+7)(2x+5)(2)$$