

Math worksheet

By Joshua Himmens, joshua.himmens@gmail.com

Factor completely:

$$x^2 + 1x - 72: \quad (x-8)(x+9) \qquad x^2 - 13x + 36: \quad (x-9)(x-4)$$

$$x^2 - 12x + 27: \quad (x-3)(x-9) \qquad x^2 - 12x + 32: \quad (x-8)(x-4)$$

$$x^2 - 9x - 10: \quad (x+1)(x-10) \qquad x^2 + 31x + 238: \quad (x+14)(x+17)$$

$$x^2 + 12x + 32: \quad (x+8)(x+4) \qquad x^2 + 1x - 90: \quad (x-9)(x+10)$$

$$x^2 + 7x + 10: \quad (x+2)(x+5) \qquad x^2 - 7x - 8: \quad (x-8)(x+1)$$

$$x^2 + 12x + 35: \quad (x+7)(x+5) \qquad x^2 - 7x - 8: \quad (x-8)(x+1)$$

$$x^2 + 2x - 48: \quad (x+8)(x-6) \qquad 12x^2 + 124x + 255: (2x+15)(6x+17)$$

$$x^2 + 6x + 8: \quad (x+4)(x+2) \qquad 21x^2 + 63x + 42: \quad (7x+7)(3x+6)$$

$$x^2 + 9x : \quad (x+0)(x+9) \qquad 12x^2 + 25x - 75: \quad (3x-5)(4x+15)$$

$$x^2 + 7x + 6: \quad (x+6)(x+1) \qquad 4x^2 + 77x + 208: \quad (x+16)(4x+13)$$

$$x^2 + 7x + 6: \quad (x+6)(x+1) \qquad 24x^2 + 180x + 216: (4x+24)(6x+9)$$

$$x^2 + 10x + 24: \quad (x+4)(x+6) \qquad 18x^2 + 69x + 65: \quad (3x+5)(6x+13)$$

$$x^2 + 43x + 456: \quad (x+19)(x+24) \qquad 6x^2 + 43x + 76: \quad (x+4)(6x+19)$$

$$x^2 + 34x + 280: \quad (x+14)(x+20) \qquad 7x^2 + 46x + 24: \quad (7x+4)(x+6)$$

$$x^2 + 33x + 200: \quad (x+25)(x+8) \qquad 36x^2 + 60x - 11: \quad (6x+11)(6x-1)$$