

Factor Completely. If it can't be factored, say so (hint: only 2 of them can't be factored)

1. $4x^2 - 16xy + 15y^2$ 1) $(2x - 3y)(2x - 5y)$
2. $3x^2 + 13x + 4$ 2) $(3x + 1)(x + 4)$
3. $5x^2 - 32x + 12$ 3) $(5x - 2)(x - 6)$
4. $18x^3 - 24x^2 - 10x$ 4) $2x(3x + 1)(3x - 5)$
5. $16x^2 - 22xy - 3y^2$ 5) $(8x + y)(2x - 3y)$
6. $x^2 + 7x + 10$ 6) $(x + 2)(x + 5)$
7. $x^3 + 5x^2 + 4x$ 7) $x(x + 4)(x + 1)$
8. $3x^2 + 13x + 8$ 8) **CNF**
9. $x^2 - 8x + 15$ 9) $(x - 5)(x - 3)$
10. $6x^2 - 9x - 6$ 10) $3(2x + 1)(x - 2)$
11. $2x^2 + 5x - 3$ 11) $(2x - 1)(x + 3)$
12. $x^2 - 2xy - 15y^2$ 12) $(x + 3y)(x - 5y)$
13. $x^2 - 12x - 44$ 13) **CNF**
14. $x^2 + 11x + 24$ 14) $(x+8)(x + 3)$
15. $4x^2 + 20x + 25$ 15) $(2x + 5)^2$

$$16. 100x^2 - 49y^2$$

$$16) (10x + 7y)(10x - 7y)$$

$$17. 3x^3 - 12x^2 - 2x + 8$$

$$17) (x - 4)(3x^2 - 2)$$

$$18. \frac{4}{9}x^2 - \frac{16}{25}y^2$$

$$18) \left(\frac{2}{3}x + \frac{4}{5}y \right) \left(\frac{2}{3}x - \frac{4}{5}y \right)$$

$$19. -13x + 36 = -x^2$$

$$19) 4, 9$$

$$20. x^2 - 8x + 18 = 2$$

$$20) 4$$