**Factorising Quadratics**

Remember

+ x -20

1)We are looking for two numbers which multiply to make -20 and add to make 1

2) List the pairs of numbers – (-5, +4) , (-4, +5), (-10, +2), (-2, +10), (-20, +1), (-1, +20)

3) Look for a pair the multiply to make 1-20, and add to make 1 … -4 and 5!

Answer – (x-4)(x+5)

1. - 9x – 22
2. - 11x - 12
3. + 5x - 50
4. -5x - 14
5. + 5x - 24
6. + 9x - 36
7. - 3x - 54
8. + 37x - 120
9. - 10x + 200
10. - 23x + 210
11. – 4 🡨 Look closely! Multiplies to make 4, adds to make 0….
12. - 36
13. - 81
14. - 2x - 35
15. -90x - 1000