

DO NOW

Simplify

1) $(x + 5)(x + 9)$

2) $(x - 12)(x + 4)$

5.7&5.8

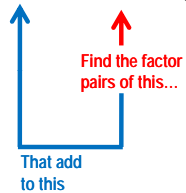
FACTORING QUADRATIC TRINOMIALS

Looking back...

$$(x + 5)(x + 9) = x^2 + 14x + 45$$

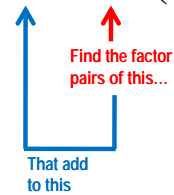
How do we do this in reverse?

$$x^2 + 14x + 45 = (x \quad)(x \quad)$$



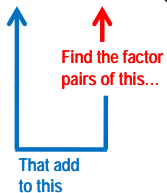
Factorize

1) $x^2 + 6x + 8 = (x \quad)(x \quad)$



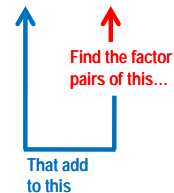
Factorize

2) $x^2 - 8x + 15 = (x \quad)(x \quad)$



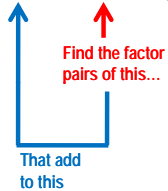
Factorize

3) $x^2 - 10x + 24 = (x \quad)(x \quad)$



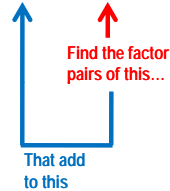
Factorize

$$4) \quad x^2 + 13x + 40 = (x \quad)(x \quad)$$



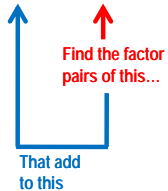
Factorize

$$5) \quad x^2 - 11x + 18 = (x \quad)(x \quad)$$



Factorize

$$5) \quad x^2 - 1x - 20 = (x \quad)(x \quad)$$



Factorize

$$6) \quad x^2 - 5x - 24 = (x \quad)(x \quad)$$

