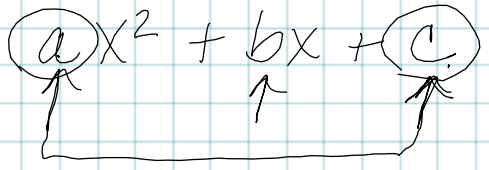


* Factor $4x^2 - 17x + 15$
 (use ac method)



$$4x^2 \boxed{-17x} + 15$$

↓ ↙ ↓

$$\star 4x^2 \boxed{-5x - 12x} + 15$$

factor by grouping

$$4x^2 - 5x \quad \boxed{-12x} \quad \boxed{+15}$$

$$\cancel{x(4x-5)} \quad \cancel{+3(-4x+5)}$$

$$\rightarrow x(4x-5) - 3(4x-5)$$

$$\boxed{(4x-5)(x-3)}$$

ac	4(15)
a · c	a + c
60	
<hr/>	
1 · 60	→ 61
2 · 30	→ 32
3 · 20	→ 23
4 · 15	→ 19
-5 · 12	→ 17
6 · 10	→ 16
	↑
	middle term
	-17