

Factor (factorise)

① $2x^2 - 9x - 5$

Factor (factorise)

② $3x^2 - 11x + 10$

①

$$2x^2 - 9x - 5$$

make 1st term x^2

x^2 equivalent \rightarrow

$$x^2 - 9x - 10$$

biggest

diff

2×5

1	10
2	5

$$(2x + 1)(\cancel{2}x - \cancel{10})$$

divide by 2

$$(2x + 1)(x - 5)$$

②

$$3x^2 - 11x + 10$$

make 1st term x^2

x^2 equivalent \rightarrow

$$x^2 - 11x + 30$$

both

same add

3×10

1	30
2	15
3	10
5	6

$$(3x - 5)(\cancel{3}x - \cancel{6})$$

divide by 3

$$(3x - 5)(x - 2)$$