

* Factor $6x^2 + 7x - 3$
using ac method

ac	a+c
$6(-3)$	
(-18)	$+7$
<hr/>	<hr/>
$-1 + 18 \rightarrow$	17
$+1 - 18 \rightarrow$	-17

$-2 + 9 \rightarrow$	$+7$
$+2 - 9$	

$-3 + 6$
$+3 - 6$

$$6x^2 + 7x - 3$$
$$\underbrace{6x^2 - 2x + 9x - 3}$$
$$\underline{2x(3x-1)} + \underline{3(3x-1)}$$

$$\boxed{(3x-1)(2x+3)}$$

$$= 6x^2 + 9x - 2x - 3$$
$$\underline{\underline{6x^2 + 7x - 3}}$$