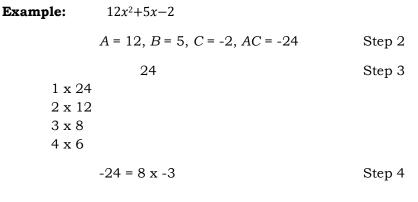
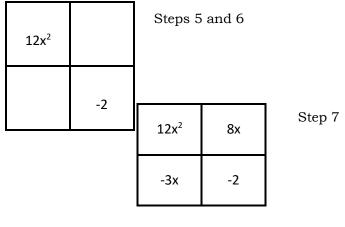
## Factoring Using the Box Method

(similar to the AC Method with a box)

- 1. Factor out all common factors, if there are any.
- 2. Identify A, B, and C then multiply A and C ( $Ax^2 + Bx + C$ ).
- 3. List all factors of AC.
- 4. If *AC* is positive, find the pair of factors that add to get *B*. If *AC* is negative, find the pair of factors that subtract to get *B*.
- 5. Place the first term in the top left corner of your box.
- 6. Place the last term in the bottom right corner of your box.
- 7. Put the two factors of *B* (from Step 4) into the two remaining sections of your box.
- 8. Factor out the common factors across and up.
- 9. The binomials across the top and down the side are your factors.





	12x <sup>2</sup>	8x	3x 2 Step 8
4x	-3x	-2	Step 6
-1			



M-F5