3. 
$$(z+2) (g-5)$$

$$g z+5 z+2 g+10$$

$$g z-2 z+5 g-10$$

$$g z-5 z+2 g-10$$

$$g z-2 z+2 g+10$$
Solution
$$(z+2) (g-5)$$

$$= g z-5 z+2 g-10$$