3.

$(r+3)(j-6)$

$j \, r+6 \, r+3 \, j+18$

$j \, r-3 \, r+6 \, j-18$

$j \, r-6 \, r+3 \, j-18$

$j \, r-3 \, r+3 \, j+18$

Solution

$(r+3)(j-6)$
$= j \, r-6 \, r+3 \, j-18$