2.

2t

t + 3

8 t

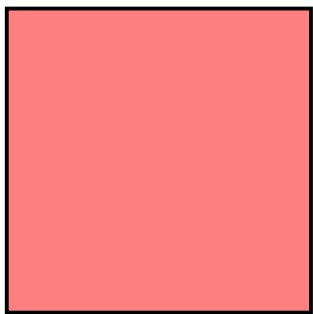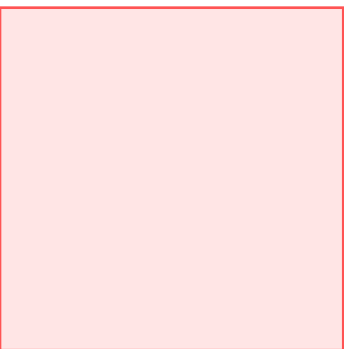$3 t^2 + 6 t$

$2 t^2 + 6 t$

$2 t + 3 t^2$

Solution

$= (t+3) \times (2 t)$
$= 2 t^2 + 6 t$