2.

$6x$

$x + 4$
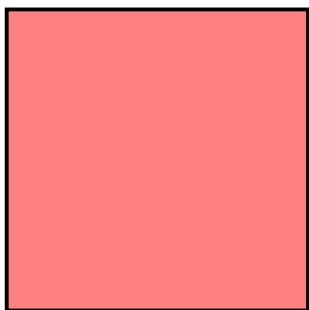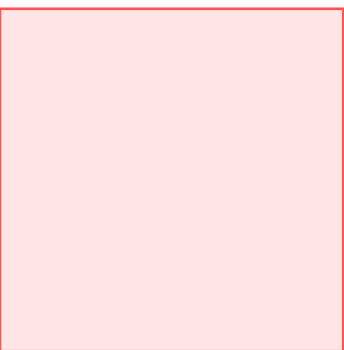
$30x$

$4x^2 + 24x$

$6x^2 + 24x$

$6x + 4x^2$

Solution

$= (x+4) \times (6x)$
$= 6x^2 + 24x$