1 Complete the table.

Expression	Area Model	Factorised Expression
$5x + 30$	$\begin{array}{c\|cc} \times & x & +6 \\ \hline 5 & 5x & +30 \end{array}$	$5(x + 6)$
$10x + 30$	$\begin{array}{c\|cc} \times & x & +3 \\ \hline 10 & 10x & +30 \end{array}$	
$10x - 30$	$\begin{array}{c\|cc} \times & & \\ \hline 10 & 10x & -30 \end{array}$	
$10x - 50$	$\begin{array}{c\|cc} \times & & \\ \hline & 10x & -50 \end{array}$	
$-2x - 50$	$\begin{array}{c\|cc} \times & & \\ \hline -2 & & \end{array}$	
$-2x + 50$	$\begin{array}{c\|cc} \times & & \\ \hline & & \end{array}$	
$5 + 50x$	$\begin{array}{c\|cc} \times & & \\ \hline & & \end{array}$	
$5 + 15x$	$\begin{array}{c\|cc} \times & & \\ \hline & & \end{array}$	
$5 + 15x - 10y$	$\begin{array}{c\|cc} \times & & \\ \hline & & \end{array}$	
$3 + 15x - 6y^2$	$\begin{array}{c\|cc} \times & & \\ \hline & & \end{array}$	

2 Complete the table.

Expression	Area Model	Factorised Expression
$10x + 15$	$\begin{array}{c\|cc} \times & 2x & +3 \\ \hline 5 & 10x & +15 \end{array}$	$5(2x + 3)$
$10x + 32$	$\begin{array}{c\|cc} \times & 5x & +16 \\ \hline 2 & 10x & +32 \end{array}$	
$12x - 32$	$\begin{array}{c\|cc} \times & & \\ \hline 4 & 12x & -32 \end{array}$	
$-12x - 32$	$\begin{array}{c\|cc} \times & & \\ \hline & -12x & -32 \end{array}$	
$-12x + 32$	$\begin{array}{c\|cc} \times & & \\ \hline & & \end{array}$	
$-12x + 54$	$\begin{array}{c\|cc} \times & & \\ \hline & & \end{array}$	
$18 + 54x$	$\begin{array}{c\|cc} \times & & \\ \hline & & \end{array}$	
$18 + 54x^2$	$\begin{array}{c\|cc} \times & & \\ \hline & & \end{array}$	
$18 - 8x^2$	$\begin{array}{c\|cc} \times & & \\ \hline & & \end{array}$	
$74 - 8x^2 + 12y$	$\begin{array}{c\|cc} \times & & \\ \hline & & \end{array}$	