

# Using Square Number Differences

Find pairs of matching shorthand expressions and write them at the beginning of the table rows. Fill in numbers to prove that the expressions are equivalent. Make  $n$  a 2-digit number at least twice in each table.

$n^2 + 4$	$(n + 2) \times (n - 2)$	$(n - 1) \times (n + 1)$
$(n + 4) \times (n - 4)$	$n^2 - 1$	$n^2 - 2$
$n^2 + 1$	$n^2 - 4$	$n^2 - 16$

**1**

$n$					

**2**

$n$					

**3**

$n$					