Mrs Jenkins buys a car for £3400. She sells it for £3800. Work out her percentage profit.

Find \( y \).

Solve the simultaneous equations

\[
4x + 5y = 25 \\
x - y = 4
\]

Prove

\[
(n + 1)^2 - (n - 1)^2 + 4
\]

is always even, if \( n \) is a positive integer.

The area of the triangle is 8cm\(^2\). Calculate \( x \).