

Quadratics Inequalities Past Paper Questions GCSE Edexcel – Non-Calculator

1.

Solve $22 < \frac{m^2 + 7}{4} < 32$

Show all your working.

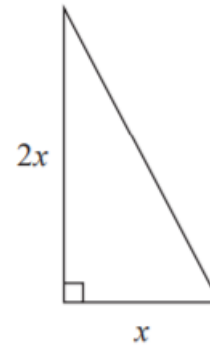
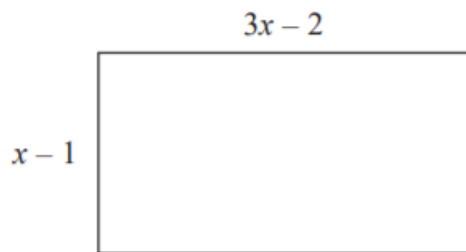
2.

n is an integer such that $3n + 2 \leq 14$ and $\frac{6n}{n^2 + 5} > 1$

Find all the possible values of n .

3.

Here is a rectangle and a right-angled triangle.



All measurements are in centimetres.

The area of the rectangle is greater than the area of the triangle.

Find the set of possible values of x .

4.

Solve $2x^2 + 3x - 2 > 0$

5.

Solve the inequality $x^2 > 3(x + 6)$

6.

Solve $x^2 > 3x + 4$