

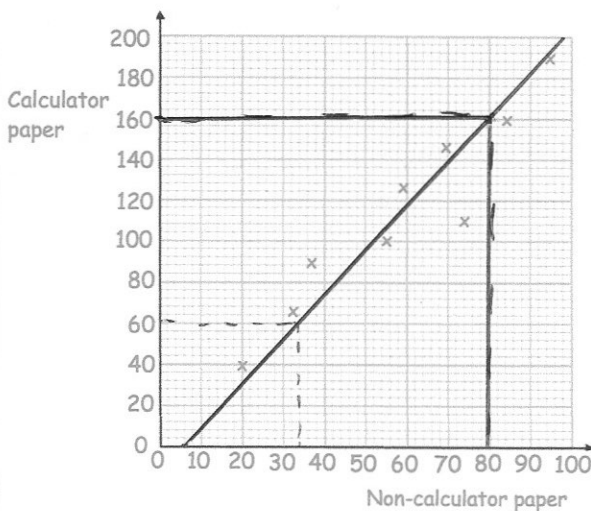


Solve  $x^2 - 8x - 33 = 0$

$$(x - 11)(x + 3) = 0$$

$$x = 11 \text{ or } x = -3$$

The students in a class sit a non-calculator and a calculator maths paper.



Lucy was absent for the calculator paper, but she scored 80 in the non-calculator paper.

Use a line of best fit to predict her calculator paper score.

160

*may vary due to line of best fit*

Zofia was absent for the non-calculator paper, but she scored 60 in the calculator paper.

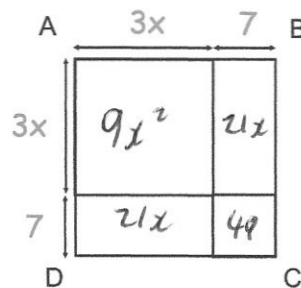
Use a line of best fit to predict her non-calculator paper score.

34

*may vary due to line of best fit*

Find an expression for the area of square ABCD.

$$9x^2 + 42x + 49$$



Solve the simultaneous equations

$$\begin{array}{r} 3x + 8y = 31 \quad \times 3 \quad 9x + 24y = 93 \\ 5x + 3y = 31 \quad \times 8 \quad 40x + 24y = 248 \\ \hline 31x = 155 \\ x = 5 \end{array}$$

$$\begin{array}{r} 25 + 3y = 31 \\ 3y = 6 \\ y = 2 \end{array}$$