| Question | Answer | Marks | Guidance |
|---|---|---|---|
| (a) | Draw V-shaped graph with vertex on positive $x$-axis | ***B1** | |
| | Draw (more or less) correct graph of $y = 5x - 3$ with greater gradient | **DB1** | crossing $x$-axis between origin and vertex of first graph |
| | | **2** | |
| (b) | Attempt solution of linear equation where signs of $2x$ and $5x$ are different | **M1** | |
| | Solve $-2x + 9 = 5x - 3$ to obtain $\frac{12}{7}$, 1.71 or better | **A1** | and no second answer |
| | **Alternative method for question (b)** | | |
| | Attempt solution of 3-term quadratic equation $(2x-9)^2 = (5x-3)^2$ to obtain at least one value of $x$ | **M1** | $7x^2 + 2x - 24 = 0$ |
| | Obtain $\frac{12}{7}$, 1,71 or better | **A1** | and no second answer |
| | | **2** | |