Linear Inequalities Answers

1)

$x < -23\frac{1}{2}$ or -23.5	3	**M1** 2 moves **completed** correctly **M1** 2 more moves completed correctly

2)

$x > -0.16$ or $-0.16 < x$ or $x > -\dfrac{4}{25}$	3	**M1** 2 moves **completed** correctly **M1** 2 more moves **completed** correctly Final mark must be given for answer line

3)

$x - 5 \quad \dfrac{x}{5} \quad \dfrac{5}{x} \quad 5x$	2	**M1 evaluating** all 4 expressions for one value in the range. (1 and 2 are out of range)

4)

1, 2, 3, 4	3	**M1** $10x < 45$ **A1** $x < 4.5$

5)

$y \varnothing -1.25$	2	**M1** inequality with y's and constants correctly collected

6)

$x < -3$	3	**M1** correct move **M1** correct move **M1** correct move

7)

$x \leqslant 39$ **www**	3	**M1** correct first move **M1** correct 2nd move **M1** correct move to answer line

8)

11, 13, 17, 19, 23	3	**B2** 3 or 4 correct or **B1** 2 correct If **B0** then **M1** for $x > 10.5$ and **M1** for $x < 26.5$ or **M1** for 10.5 and 26.5 seen