1. The line segment joining the midpoints of two sides of a triangle is parallel to the third side and half its length**.** Verify this property in triangle A$(1,3)$, $B(5,1)$ and C$(7,5)$. Include a labelled diagram as part of your solution.

2. The midpoints of the sides of quadrilateral RSTU, with vertices $R\left(-4,1\right), S\left(-2,5\right), T\left(2,1\right), and U\left(2,-7\right)$ are joined to form a quadrilateral. Verify that the quadrilateral formed is a parallelogram.

|  |
| --- |
| Work on **p.89** #7a, 9, and 20 **p.125** #5 and 7 |