|  |  |
| --- | --- |
| (a) On the grid, reflect triangle **P** in the *y*-axis. Label the new shape, **Q.****(1)** The line *AB* is drawn on the grid.(b) On the grid, reflect triangle **P** in the line *AB*. Label the new shape, **R.****(1)****(Total 2 marks)** | (a) On the grid, reflect triangle **P** in the *y*-axis. Label the new shape, **Q.****(1)** The line *AB* is drawn on the grid.(b) On the grid, reflect triangle **P** in the line *AB*. Label the new shape, **R.****(1)****(Total 2 marks)** |
| (a) On the grid, reflect triangle **P** in the *y*-axis. Label the new shape, **Q.****(1)** The line *AB* is drawn on the grid.(b) On the grid, reflect triangle **P** in the line *AB*. Label the new shape, **R.****(1)****(Total 2 marks)** | (a) On the grid, reflect triangle **P** in the *y*-axis. Label the new shape, **Q.****(1)** The line *AB* is drawn on the grid.(b) On the grid, reflect triangle **P** in the line *AB*. Label the new shape, **R.****(1)****(Total 2 marks)** |
| Rotate triangle T through 90° clockwise about the point (2, 1).**(Total 2 marks)** | Rotate triangle T through 90° clockwise about the point (2, 1).**(Total 2 marks)** |
| Rotate triangle T through 90° clockwise about the point (2, 1).**(Total 2 marks)** | Rotate triangle T through 90° clockwise about the point (2, 1).**(Total 2 marks)** |
| Translate the triangle by the vector  **(Total 2 marks)** | Translate the triangle by the vector  **(Total 2 marks)** |
| Translate the triangle by the vector  **(Total 2 marks)** | Translate the triangle by the vector  **(Total 2 marks)** |
| Enlarge the shaded triangle by a scale factor 2, centre 0.**(Total 3 marks)** | Enlarge the shaded triangle by a scale factor 2, centre 0.**(Total 3 marks)** |
| Enlarge the shaded triangle by a scale factor 2, centre 0.**(Total 3 marks)** | Enlarge the shaded triangle by a scale factor 2, centre 0.**(Total 3 marks)** |
| Triangle **A** and triangle **B** have been drawn on the grid.Describe fully the single transformation which will map triangle **A** onto triangle **B**.………………………………………………………………………………………………………………………………………………………………………………**(Total 2 marks)** | Triangle **A** and triangle **B** have been drawn on the grid.Describe fully the single transformation which will map triangle **A** onto triangle **B**.………………………………………………………………………………………………………………………………………………………………………………**(Total 2 marks)** |
| Triangle **A** and triangle **B** have been drawn on the grid.Describe fully the single transformation which will map triangle **A** onto triangle **B**.………………………………………………………………………………………………………………………………………………………………………………**(Total 2 marks)** | Triangle **A** and triangle **B** have been drawn on the grid.Describe fully the single transformation which will map triangle **A** onto triangle **B**.………………………………………………………………………………………………………………………………………………………………………………**(Total 2 marks)** |
| The diagram shows a regular hexagon OABCDE. = a  = b. M is the midpoint of OE. N is the midpoint of AB.(a)  Find  in terms of a and/or b. = ...........................................................**(3)**(b)  Describe fully what your answer to part (a) shows about the lines OA and MN. ……………………………………………………………………………………… ………………………………………………………………………………………(**2)****(Total for question = 5 marks)** | The diagram shows a regular hexagon OABCDE. = a  = b. M is the midpoint of OE. N is the midpoint of AB.(a)  Find  in terms of a and/or b. = ...........................................................**(3)**(b)  Describe fully what your answer to part (a) shows about the lines OA and MN. ……………………………………………………………………………………… ………………………………………………………………………………………(**2)****(Total for question = 5 marks)** |
| The diagram shows a regular hexagon OABCDE. = a  = b. M is the midpoint of OE. N is the midpoint of AB.(a)  Find  in terms of a and/or b. = ...........................................................**(3)**(b)  Describe fully what your answer to part (a) shows about the lines OA and MN. ……………………………………………………………………………………… ………………………………………………………………………………………(**2)****(Total for question = 5 marks)** | The diagram shows a regular hexagon OABCDE. = a  = b. M is the midpoint of OE. N is the midpoint of AB.(a)  Find  in terms of a and/or b. = ...........................................................**(3)**(b)  Describe fully what your answer to part (a) shows about the lines OA and MN. ……………………………………………………………………………………… ………………………………………………………………………………………(**2)****(Total for question = 5 marks)** |