



1. Find the new position of point $(-7, 5)$ when rotated through 90° anticlockwise about the origin
(i) $(-5, 7)$ (ii) $(-7, -5)$ (iii) $(5, -7)$ (iv) $(-5, -7)$ (v) $(5, 7)$
2. Find the new position of point $(9, -1)$ when rotated through 90° clockwise about the origin
(i) $(-9, -1)$ (ii) $(1, 9)$ (iii) $(-1, -9)$ (iv) $(1, -9)$ (v) $(-1, 9)$
3. Find the new position of point $(2, 4)$ when rotated through 180° anticlockwise about the origin
(i) $(-4, -2)$ (ii) $(-2, -4)$ (iii) $(2, -4)$ (iv) $(-2, 4)$ (v) $(2, 4)$
4. Find the new position of point $(-7, -1)$ when rotated through 180° clockwise about the origin
(i) $(-7, 1)$ (ii) $(-7, -1)$ (iii) $(7, 1)$ (iv) $(1, 7)$ (v) $(7, -1)$
5. Find the image of the triangle formed by $(-1, 8)$, $(6, -3)$ and $(-7, -7)$ when rotated about the origin by 90°
(i) $(-8, -1)$, $(5, 8)$, $(7, -7)$ (ii) $(-9, 0)$, $(3, 6)$, $(7, -7)$ (iii) $(-8, -1)$, $(3, 6)$, $(7, -7)$
(iv) $(-8, -1)$, $(3, 6)$, $(5, -9)$ (v) $(-8, -1)$, $(3, 6)$, $(8, -8)$
6. Find the image of the triangle formed by $(-6, 8)$, $(-2, 8)$ and $(5, -1)$ when rotated about the origin by 180°
(i) $(6, -8)$, $(2, -8)$, $(-7, -1)$ (ii) $(5, -7)$, $(2, -8)$, $(-5, 1)$ (iii) $(6, -8)$, $(4, -6)$, $(-5, 1)$
(iv) $(6, -8)$, $(2, -8)$, $(-4, 0)$ (v) $(6, -8)$, $(2, -8)$, $(-5, 1)$
7. Find the image of the triangle formed by $(8, 7)$, $(0, 8)$ and $(-5, 5)$ when rotated about the origin by 270°
(i) $(6, -7)$, $(8, 0)$, $(5, 5)$ (ii) $(7, -8)$, $(10, 2)$, $(5, 5)$ (iii) $(7, -8)$, $(8, 0)$, $(5, 5)$ (iv) $(7, -8)$, $(8, 0)$, $(6, 4)$
(v) $(7, -8)$, $(8, 0)$, $(3, 3)$
8. Find the image of the rectangle formed by $(-6, -4)$, $(0, -4)$, $(0, 3)$ and $(-6, 3)$ when rotated about the origin by 90°
(i) $(4, -6)$, $(4, 0)$, $(-2, -1)$, $(-3, -6)$ (ii) $(4, -6)$, $(4, 0)$, $(-5, -2)$, $(-3, -6)$
(iii) $(6, -4)$, $(4, 0)$, $(-3, 0)$, $(-3, -6)$ (iv) $(4, -6)$, $(4, 0)$, $(-3, 0)$, $(-3, -6)$
(v) $(4, -6)$, $(4, 0)$, $(-3, 0)$, $(-4, -5)$
9. Find the image of the rectangle formed by $(-5, -4)$, $(2, -4)$, $(2, 4)$ and $(-5, 4)$ when rotated about the origin by 180°
(i) $(5, 4)$, $(-2, 4)$, $(-2, -4)$, $(4, -3)$ (ii) $(5, 4)$, $(-2, 4)$, $(-2, -4)$, $(5, -4)$
(iii) $(7, 6)$, $(-2, 4)$, $(-2, -4)$, $(5, -4)$ (iv) $(5, 4)$, $(-2, 4)$, $(-4, -6)$, $(5, -4)$
(v) $(5, 4)$, $(-2, 4)$, $(-1, -5)$, $(5, -4)$

10. Find the image of the rectangle formed by $(-1, -5)$, $(6, -5)$, $(6, 1)$ and $(-1, 1)$ when rotated about the origin by 270°

(i) $(-5, 1)$, $(-5, -6)$, $(-1, -8)$, $(1, 1)$ (ii) $(-3, 3)$, $(-5, -6)$, $(1, -6)$, $(1, 1)$

(iii) $(-5, 1)$, $(-5, -6)$, $(2, -7)$, $(1, 1)$ (iv) $(-5, 1)$, $(-5, -6)$, $(1, -6)$, $(1, 1)$

(v) $(-5, 1)$, $(-5, -6)$, $(1, -6)$, $(0, 2)$

Assignment Key

1) (iv)	2) (iii)	3) (ii)	4) (iii)	5) (iii)	6) (v)
7) (iii)	8) (iv)	9) (ii)	10) (iv)		