**Worksheet 3-8**

**Write the coordinates of the image for each rotation.**

1. A(-2, 1) 2. B(1, 5)
2. r90° a) r90°
3. r180° b) r180°
4. r270° c) r270°

**Draw the image for the given rotation.**

1. ΔABC has vertices A(2, 1), B(0, 5) and   
   C(2, 5). Rotate ΔABC 90°.



1. LMNP has vertices L(-1, 3), M(-1, 0),   
   N(-3, 0) and P(-3, 3). Rotate LMNP 180°.

**Worksheet 3-8**

**Write the coordinates of the image for each rotation.**

1. A(-3, 5) 2. B(-2, -1)
2. r90° a) r90°
3. r180° b) r180°
4. r270° c) r270°

**Draw the image for the given rotation.**

1. ΔABC has vertices A(3, 4), B(0, -2) and   
   C(3, -2). Rotate ΔABC 180°.



1. LMNP has vertices L(0, 3), M(-2, 3),   
   N(-2, 0) and P(0, 0). Rotate LMNP 270°.

**Does the figure have rotational symmetry, reflectional symmetry or both.**

1.  6.
2.  8.
3.  10.