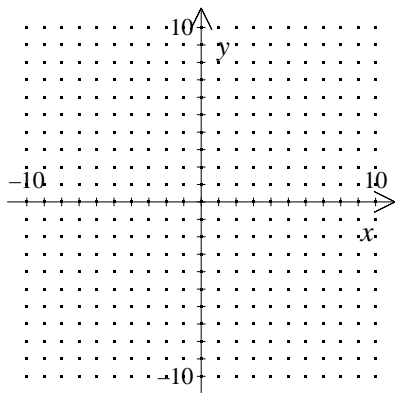


*P.I. G.G.54: Define, investigate, justify, and apply isometries in the plane (rotations, reflection, translations, glide reflections)*

1. Graph the triangle whose vertices have the coordinates given below. Then draw its reflection in the  $x$ -axis.

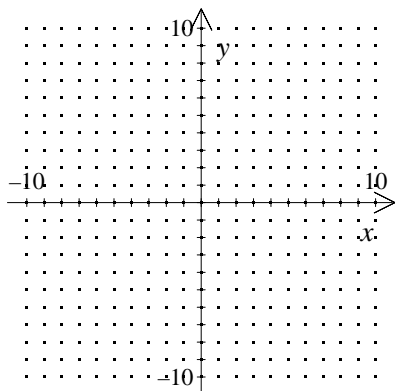
$M(-6, 3)$ ,  $N(-3, 3)$ ,  $P(-5, 7)$



[1]

2. Graph the triangle whose vertices have the coordinates given below. Then draw its reflection in the  $x$ -axis.

$M(-7, 2)$ ,  $N(-1, 2)$ ,  $P(-1, 6)$

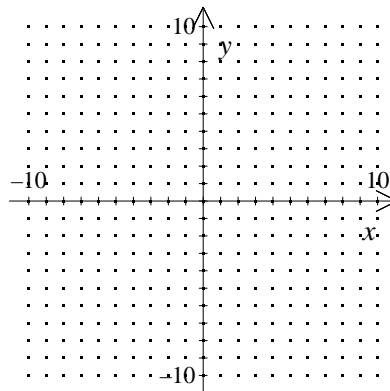


[2]

NAME: \_\_\_\_\_

3. Graph the triangle whose vertices have the coordinates given below. Then draw its reflection in the  $x$ -axis.

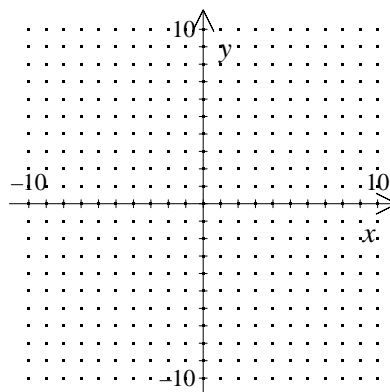
$M(-8, 3)$ ,  $N(-2, 3)$ ,  $P(-4, 5)$



[3]

4. Graph the triangle whose vertices have the coordinates given below. Then draw its reflection in the  $x$ -axis.

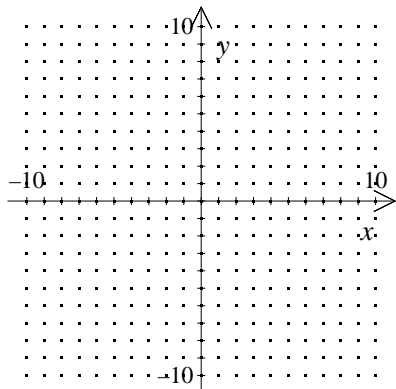
$M(-7, 2)$ ,  $N(-3, 2)$ ,  $P(-3, 8)$



[4]

5. Graph the triangle whose vertices have the coordinates given below. Then draw its reflection in the  $x$ -axis.

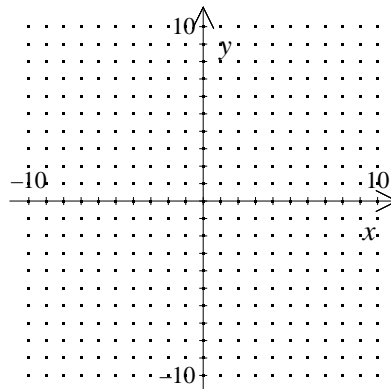
$M(-8, 2)$ ,  $N(-1, 2)$ ,  $P(-8, 7)$



[5] \_\_\_\_\_

7. Graph the triangle whose vertices have the coordinates given below. Then draw its reflection in the  $x$ -axis.

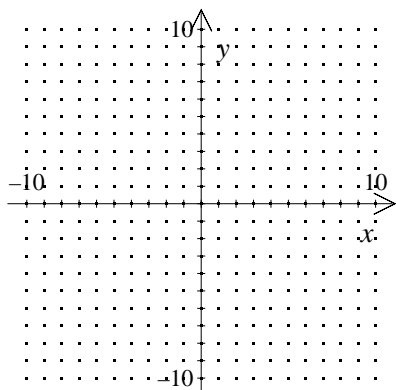
$M(-6, 3)$ ,  $N(-1, 3)$ ,  $P(-3, 5)$



[7] \_\_\_\_\_

6. Graph the triangle whose vertices have the coordinates given below. Then draw its reflection in the  $x$ -axis.

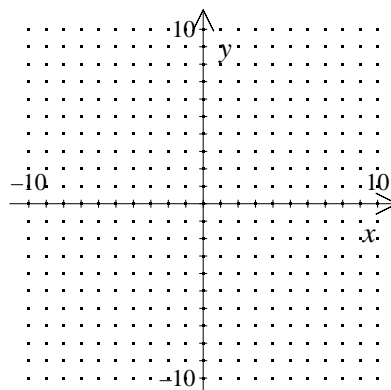
$M(-6, 3)$ ,  $N(-2, 3)$ ,  $P(-6, 8)$



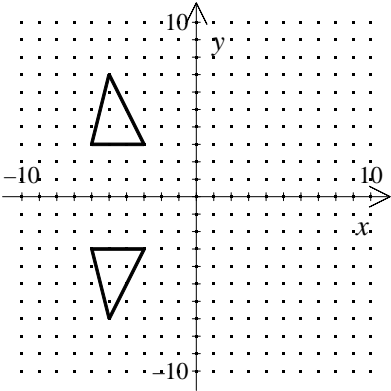
[6] \_\_\_\_\_

8. Graph the triangle whose vertices have the coordinates given below. Then draw its reflection in the  $x$ -axis.

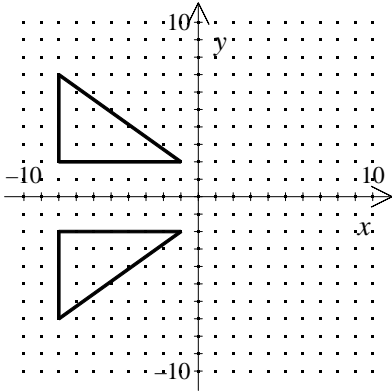
$M(-7, 2)$ ,  $N(-3, 2)$ ,  $P(-3, 6)$



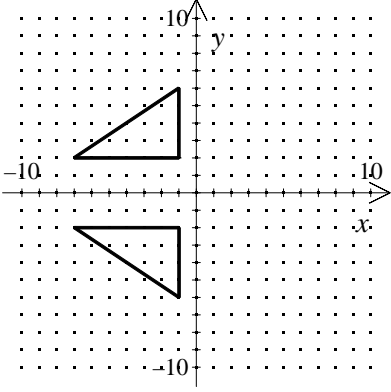
[8] \_\_\_\_\_



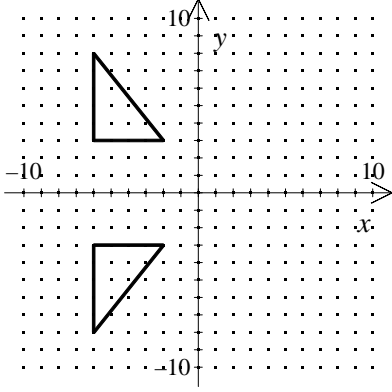
[1] \_\_\_\_\_



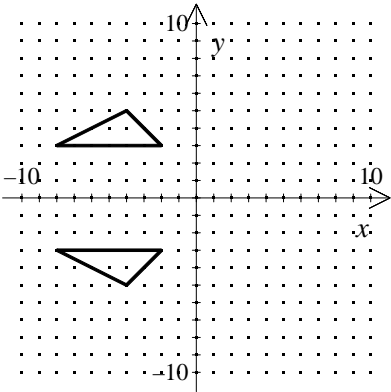
[5] \_\_\_\_\_



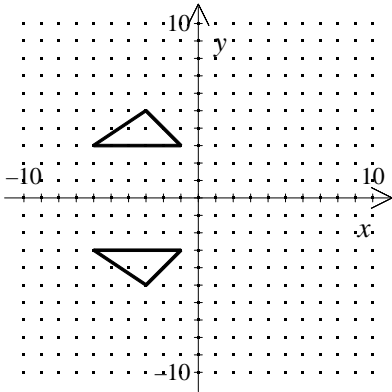
[2] \_\_\_\_\_



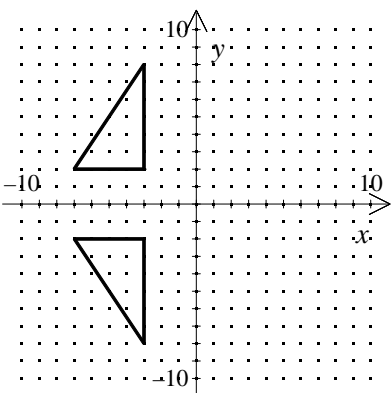
[6] \_\_\_\_\_



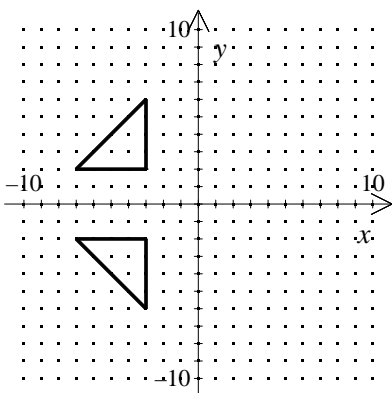
[3] \_\_\_\_\_



[7] \_\_\_\_\_



[4] \_\_\_\_\_



[8] \_\_\_\_\_