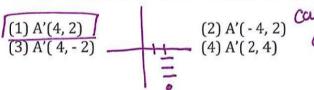
Answer each question below, be sure to record your answer in the space provided:

1) Which represents the image of G(4, -3) after a reflection in the x-axis?

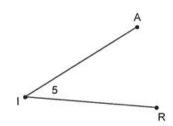
- (1) G'(-4, -3)(3) G'(4, 3) 7
- (2) G'(-4, 3)(4)G'(-3,4)
- $_{-}$ 3) What is the image of (x,y) after a translation of 3 units right and 7 units down?
- (1)(x+3,y-7)(2)(x+3,y+7)
- (3) (x-3,y-7)(4) (x-3,y+7)

- 2) Which represents the image of X (-3, -7) after reflection in the y-axis?
- (1) X'(-3,7)(3) X'(3,7)
- (2) X'(3, 7) (4) X'(7, 3)

4) Which of the following represent the coordinates of A(2, -4) after a rotation of 90°?

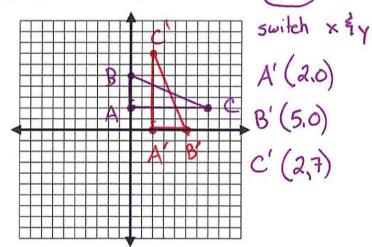


5) Which choice below may **not** be used to name ∠AIR?

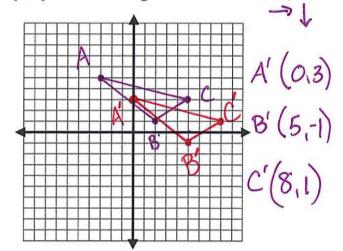


- (1) ∠RIA ✓ (3) ∠5 ✓

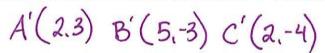
6) The vertices of \triangle ABC are A(0, 2), B(0, 5), and C(7, 2). Find the image of $\Delta A'B'C'$ under $r_{y=x}$.

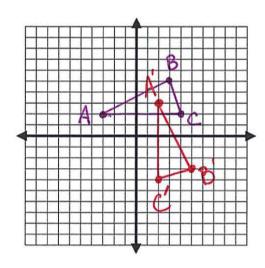


7) The vertices of \triangle ABC are A(-3, 5), B(2, 1), and C(5, 3). Find the image of $\triangle A'B'C'$ under $T_{3,-2}$

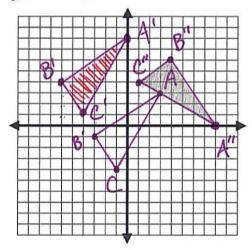


- 8) The coordinates of the vertices of $\triangle ABC$ are A(-3,
- 2), B(3,5), and C(4,2). Find the image of $\Delta A'B'C'$ under a counterclockwise rotation of 270. (R₂₇₀).

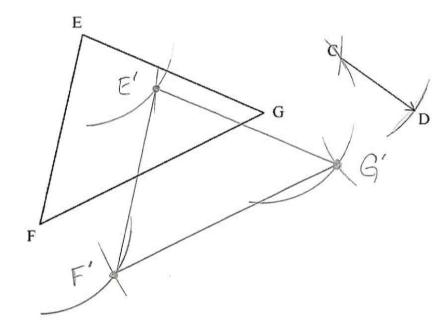




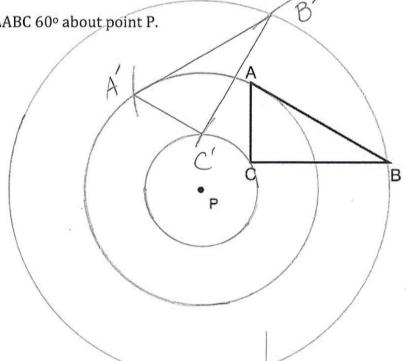
9) Triangle ABC has vertices with A(3,3), B(-3,-1), and C(-1,-4) Graph and label $\triangle ABC$ and $\triangle A''B''C''$, the image of $\triangle ABC$ after



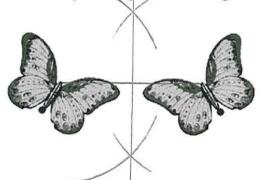
- 10) Precisely define each of the three rigid motion transformations identified below:
 - a. RC,90 (DABC) Rotation ground C counter-clockwise 90
 - b. T(-2,5) (DABC) Translation left 2 & up 5
 - c. ry=x Reflection areas across the line y=X
- 11) Translate \triangle EFG along \overrightarrow{CD} , below.



12) Rotate ΔABC 60° about point P.



13) Determine the line of reflection of the pre-image and its image below:



2 half circles more than half. (I bisector)

Add to 180

14) If a pair of supplementary angles are in the ratio 3:6, determine the measure of each angle.

ratio 2:4, determine the measure of each angle.
$$2x + 4x = 90$$

16) If a set of vertical angles can be represented by 2x - 5 and 3x - 25, respectively, determine the measure of each angle.

the value of x.
$$AB+BC = AC$$

Add 2 90

15) If a pair of complementary angles are in the

17) If points A, B, and C are collinear with AB =

3x + 10, BC = 2x + 5, and AC = 4x + 30, determine

