

If the vertices of $\triangle ABC$ are A(0, 5), B(-4, 2), and C(10, -6), find the vertices of $\triangle A'B'C'$ after each of the translations below.

a. $(x, y) \rightarrow (-y, x)$ A' = (-5, 0) B' = (-2, -4) C' = (-6, -10) Transformation: <u>90°CCC</u> rotation b. $(x, y) \rightarrow (y, -x)$ A' = (5, 0) B' = (2, 4) C' = (-6, -10) Transformation: <u>90°CC</u> rotation c. $(x, y) \rightarrow (-x, -y)$ A' = (0, -5) B' = (4, -2) C' = (-10, 6) Transformation: <u>180° rotation</u>