2.5 Transformation Homework

Use the given graph paper to make the following transformations:

1. Start at point (-3, 5). Move that point 4 units up and 6 units right. Give the coordinates of the final point and mark it on the graph.
2. Start at point (6, -8). Reflect this point across the y-axis and give the coordinates of the final point and mark it on the graph.
3. Start at point (-4, -4). Reflect this point across the x-axis, then slide this point 2 units up. Give the coordinates of the final point and mark in on the graph.
4. Translate the figure 3 units down and draw the new figure. Please include arrows on the ends.
5. Reflect the figure across the y-axis and draw the new figure.
6. Reflect the line across the x-axis and draw the new line.
7. Vertically stretch the figure by a factor of 2. Make a table of important points and then write the new ordered pairs you will use to draw the transformed figure.
8. Horizontally compress the figure by a factor of 1/3. Make a table of important points and then write the new ordered pairs you will use to draw the transformed figure.
9. Translate the figure 4 units right, then reflect that figure across the

x-axis.

1. Reflect the figure across the y-axis, then reflect it across the x-axis.