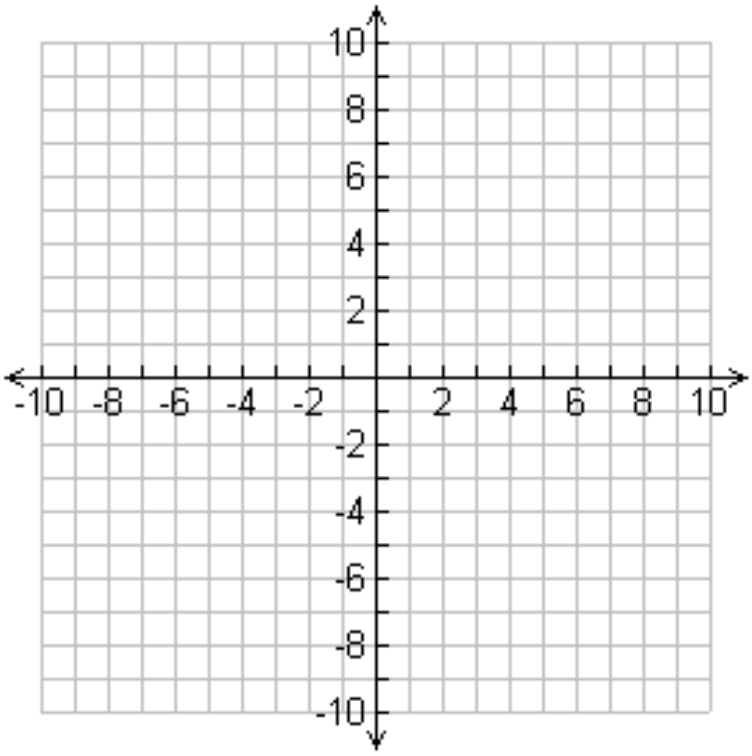
Mr. Powder
Assessment Review Ditto 7

Pre-Algebra
Name: _____

1. Given the following points, plot them and connect to Make ΔABC.

   A(-7, 2) B(-4, 3) C(-6, 8)



2.. Find and plot the coordinates of $\Delta A'B'C'$ under a 180° rotation of ΔABC.

   A′(,) B′(,) C′(,)

3. Find and plot the coordinates of $\Delta A''B''C''$ under a *reflection* in the *x-axis of* $\Delta A'B'C'$.

   A″(,) B″(,) C″(,)

4. On the lines below, explain how you determined your coordinate for A′.

   _____

   _____

   _____

   _____

   _____

5. On the lines below, explain how you determined your coordinate for B″.

   _____

   _____

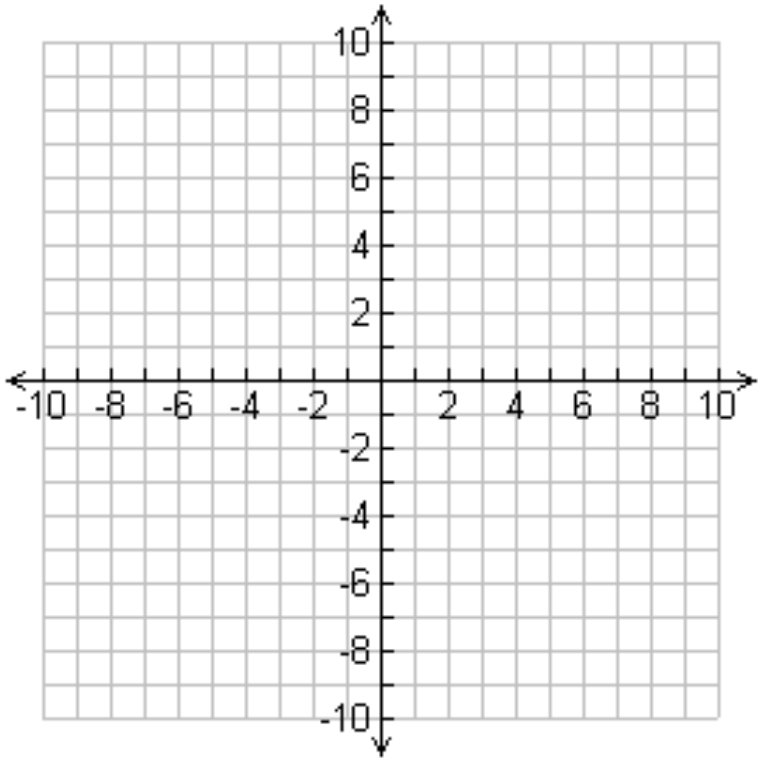
   _____

   _____

   _____

6. Given the following points, plot them and connect to Make ΔDEF.

   D(8, 1) E(2, 4) C(5, 9)



7. Find and plot the coordinates of $\Delta D'E'F'$ under a *Counterclockwise 90° Rotation of* ΔDEF .

   D′(,) E′(,) F′(,)

8. Find and plot the coordinates of $\Delta D''E''F''$ under a *reflection* in the *y-axis of* $\Delta D'E'F'$.

   D″(,) E″(,) F″(,)

9. On the lines below, explain how you determined your coordinate for D′.

_____

_____

_____

_____

_____

10. On the lines below, explain how you determined your coordinate for F″.

_____

_____

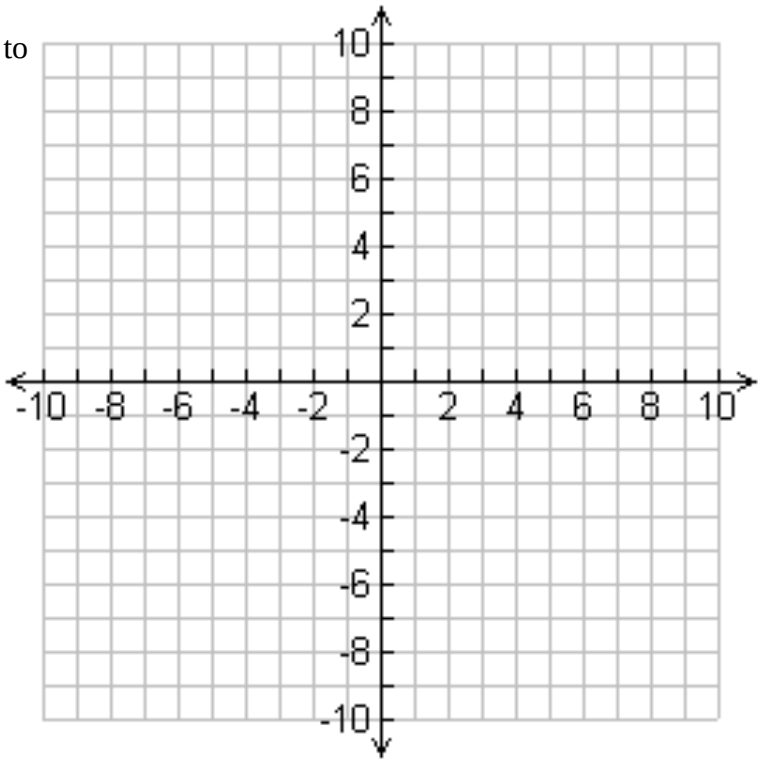
_____

_____

_____

11. Given the following points, plot them and connect to Make ΔXYZ.

X(3, -9) Y(6, 3) Z(9, -6)



12. Find and plot the coordinates of $\Delta X'Y'Z'$ under a *translation* $(x - 12, y + 6)$ *of* ΔXYZ .

X′(,) Y′(,) Z′(,)

13. Find and plot the coordinates of $\Delta X''Y''Z''$ under a *dilation* of $\Delta X'Y'Z'$ with a scale factor of $\frac{1}{3}\left(D_{\frac{1}{3}}\right)$

X″(,) Y″(,) Z″(,)

14. On the lines below, explain how you determined your coordinate for Y′.

_____

_____

_____

_____

_____

15. On the lines below, explain how you determined your coordinate for X″.

_____

_____

_____

_____

_____