Problem Set

Lesson Summary

Converse of the Fundamental Theorem of Similarity:

*If lines and are parallel, and then from a center , , , and .*

To find the coordinates of a dilated point, we must use what we know about FTS, dilation, and scale factor.

1. Macintosh HD:Users:shassan:Dropbox:Module 3:Images:First Conseq of FTS:ps 1s.pdfDilate point located at from center by a scale factor .

What is the precise location of point ?

1. Macintosh HD:Users:shassan:Dropbox:Module 3:Images:First Conseq of FTS:ps2s.pdfDilate point located at from center by a scale factor . Then dilate point located at from center , by a scale factor of . What are the coordinates of and ? Explain.
2. Explain how you used the Fundamental Theorem of Similarity in Problems 1 and 2.