**Pre-Quiz**: Transformations

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**3.**

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**4.** Triangle *DEG* has the coordinate *D*(1, 1), *E*(5, 1), and *G*(5, 4). Triangle *DEG* is translated *T*+2, -6 . Make a table mapping each coordinate pair into its image, then plot both triangles on the grid.

**

Justify that the transformation preserves distance.

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**13.**

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