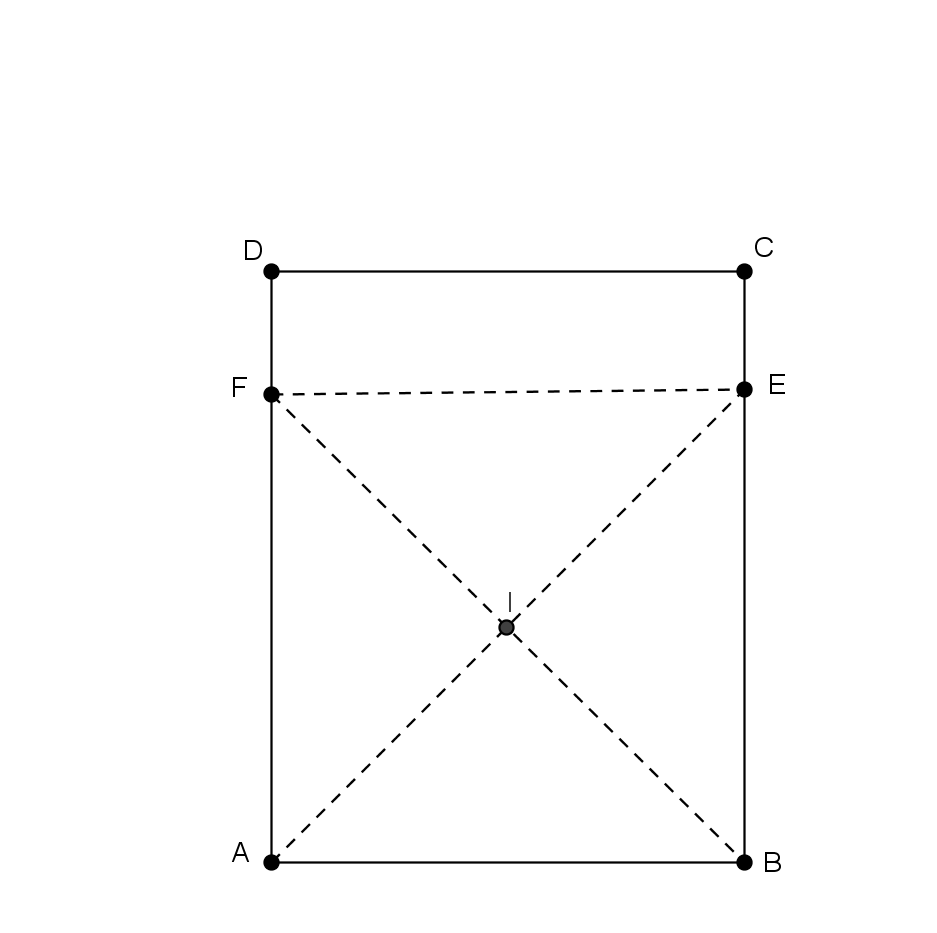
Favorite Foldables

Amber Clavin and Ashley Kowal

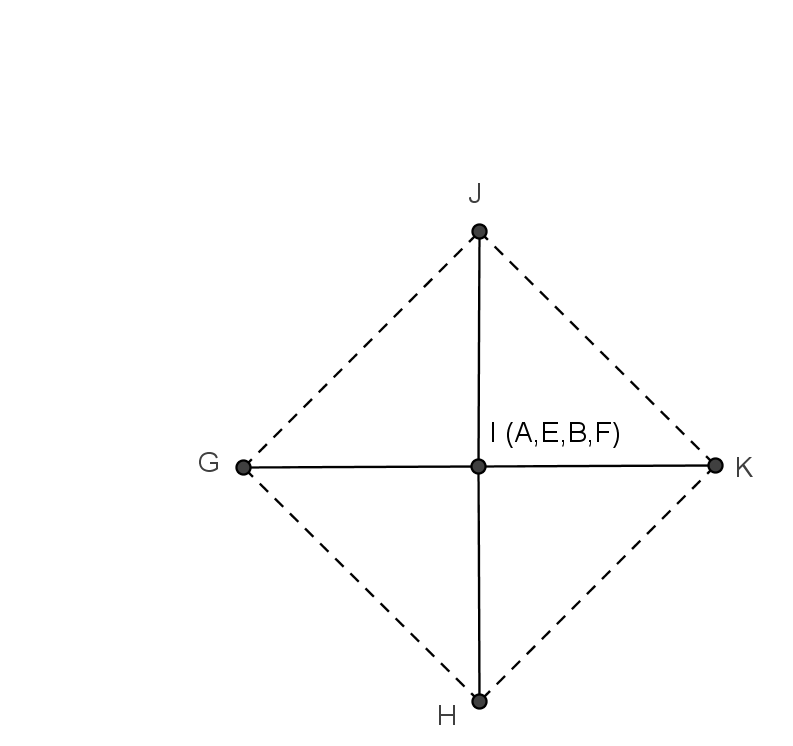
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SUNY Fredonia

***Fortune Teller***

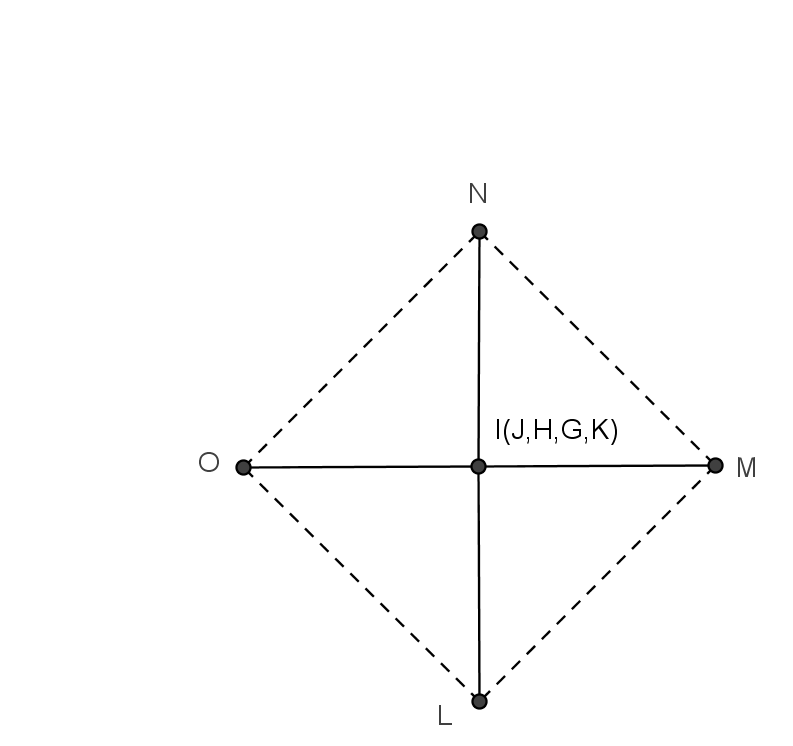
1. Begin with a standard sheet of paper (approximately 8.5 ×11 inches seems to work well).
2. In order to obtain our desired result of a square, label the vertices of the rectangle and as in Figure 1 below. Fold vertex to segment (denoted by ) at point , and unfold, forming triangle . Similarly, fold vertex to segment (denoted by ) at point , and unfold, forming triangle . Make a crease joining points and , forming , and cut along this segment, forming the square , discarding rectangle . is the center of the square.

**Figure 1**

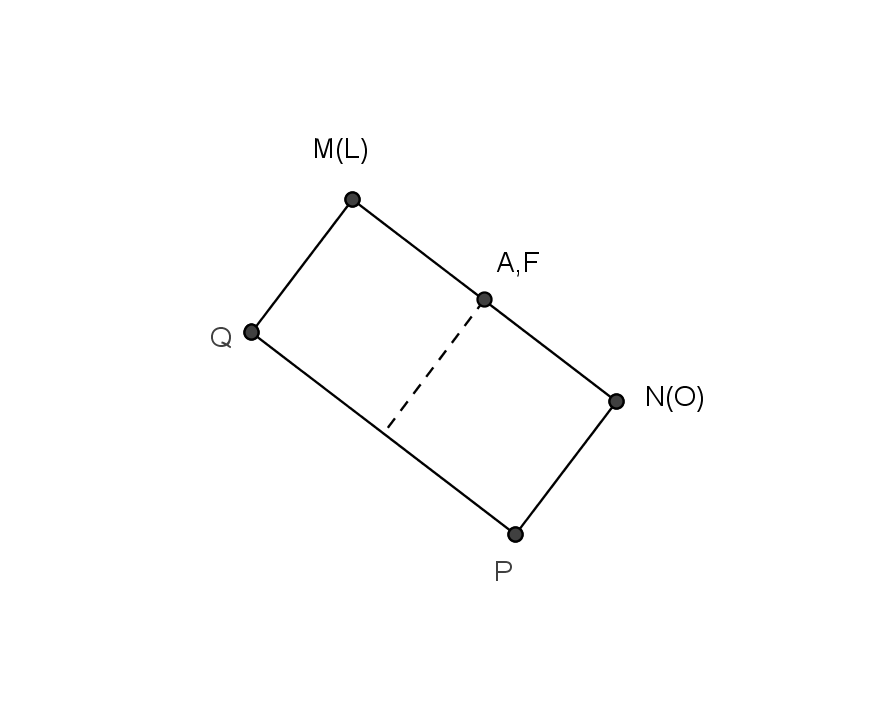
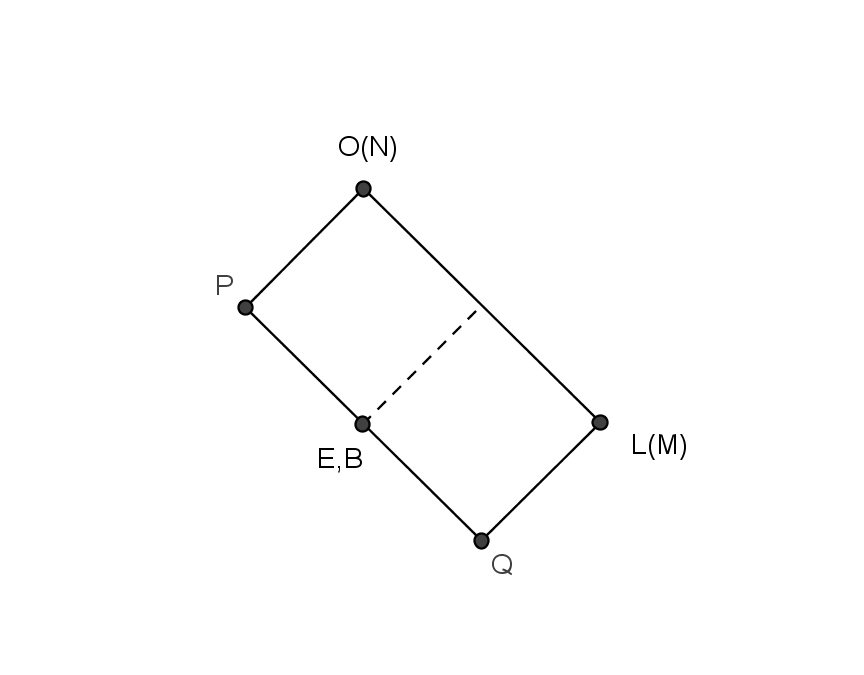
1. Fold vertex to center creating crease , and vertex to center creating crease . Similarly, fold vertex to center to create crease , and vertex to center to create crease . Don’t unfold any creases. Notice that polygon creates another square. This is shown in Figure 2.

**Figure 2**

1. Flip the square over and rotate . Fold vertex to center creating crease , and vertex to center creating crease . Similarly, fold vertex to center to create crease , and vertex to center to create crease . Don’t unfold any creases. Notice that creates a similar square. This is shown in Figure 3.



**Figure 3**

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1. Fold to . This forms a rectangle. To open lift pockets E, B, F, A. This is shown in Figure 4.
2. (b)

**Figure 4**

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**Figure 5**