## Unit 1 Lesson 11: Congruence

### 1 Translated Images (Warm up)

#### Student Task Statement

All of these triangles are congruent. Sometimes we can take one figure to another with a translation. Shade the triangles that are images of triangle $ABC$ under a translation.



### 2 Congruent Pairs

#### Student Task Statement

For each of the following pairs of shapes, decide whether or not they are congruent. Explain your reasoning.

1.
* 
1.
* 
1.
* 
1.
* 
1.
* 

### 3 Corresponding Points in Congruent Figures

#### Student Task Statement

Here are two congruent shapes with some corresponding points labeled.



1. Draw the points corresponding to $B$, $D$, and $E$, and label them $B^{′}$, $D^{′}$, and $E^{′}$.
2. Draw line segments $AD$ and $A^{′}D^{′}$ and measure them. Do the same for segments $BC$ and $B^{′}C^{′}$ and for segments $AE$ and $A^{′}E^{′}$. What do you notice?
3. Do you think there could be a pair of corresponding segments with different lengths? Explain.



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