Name:

Date:

School:

Facilitator:

**8.02 Exploring Translations**

Total Points: 10

Use the **Translation Exploration activity from *GeoGebra*** (linked on the Introduction and Task pages) to answer the questions. **Only move point *E*.**

|  |  |
| --- | --- |
| 1. | When you first open the activity, the original figure is *ABC* and the translated figure is *A*’*B*’*C*’. How many units up and right will take you from *A* to *A*’? |
|  | units right and  units up |
|  |  |
| 2. | How many units up and right will take you from point *D* to point *E*? |
|  | units right and  units up |
|  |  |
| 3. | Are there other points that following this same route from the original figure (*ABC*) to the new figure (*A*’*B*’*C*’)? List all that you feel take the same path as from *A* to *A*’ and from *D* to *E*. |
|  |  |
|  |  |
| 4. | Angle *A* will **go to** which angle? |
|  | ∠ |
|  |  |
| 5. | Angle *C*’ **comes from** which angle? |
|  | ∠ |