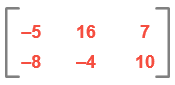
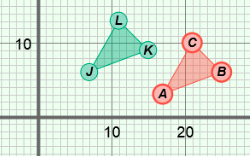
Vocabulary: Translations

dictionary2

**Vocabulary**

* Image – a figure that has been transformed, compared to the original figure (the preimage).
  + Transformations include resizing, reflecting, rotating, or translating a figure.
* Matrix – a rectangular array of numbers and/or variables.
  + The matrix shown to the right has 2 rows and 3 columns, so it is a 2 × 3 matrix.
  + Each number or variable in a matrix is called an *element*.
* Preimage – the original figure, before being transformed.



* Translation – a movement of a figure from one place to another.
  + In the figure shown to the right, the preimage, Δ*ABC*, has been translated 10 units to the left and 3 units up to get the image, Δ*JKL*.