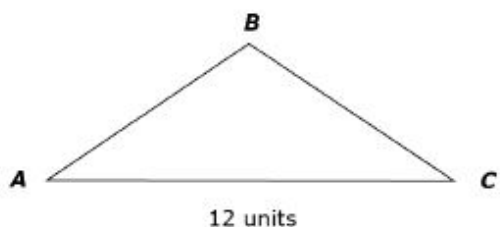


## Smarter Balanced Assessment Item Illustrating 6.NS.C.8

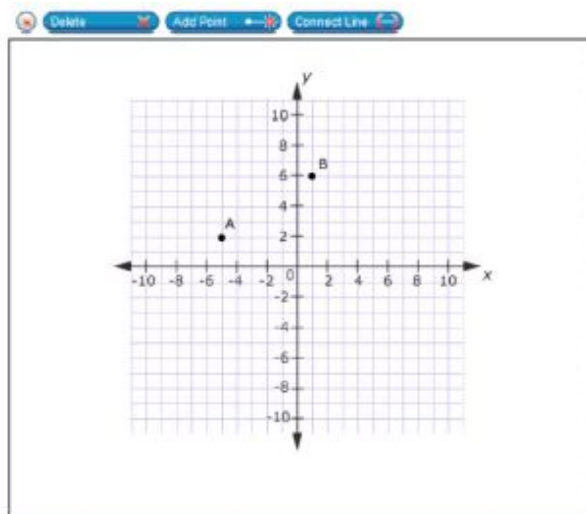
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Complete the sketch of triangle ABC in the coordinate plane.

- Point A is plotted at  $(-5, 2)$
- Point B is plotted at  $(1, 6)$
- Side AC is parallel to the  $x$ -axis and is 12 units long

Use the Add Point and Connect Line Tool to plot C in the coordinate plane and connect the three points.



### Answer Key

Student plots a third point at  $(7, 2)$  and connects the points to form a triangle.

### Elaboration on Alignment

Grade 6 work with the coordinate plane expands on students' grade 5 work which was limited to only the first quadrant. The primary focus of this item is on the part of standard 6.NS.C.8 that requires students to determine the distance between two points with the same first coordinate, an important foundation for grade 7 understanding of rational number subtraction.

### Learn More

Learn more with the [MATH Assessment Item Alignment Modules](#) at [www.achievethecore.org](http://www.achievethecore.org).