

LESSON

**5-3**

**Technology Lab Recording Sheet** p. 321

***Special Points in Triangles***

**Try This**

1. Which three points of concurrency lie on the Euler line?

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2. **Make a Conjecture** Which point on the Euler line is always between the two?

Measure the distances between the points. Make a conjecture about the relationship of the distances between these three points.

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3. **Make a Conjecture** Move a vertex of the triangle until all four points of concurrency are collinear.

In what type of triangle are all four points of concurrency on the Euler line?

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4. **Make a Conjecture** Find a triangle in which all four points of concurrency coincide.

What type of triangle has this special property?

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