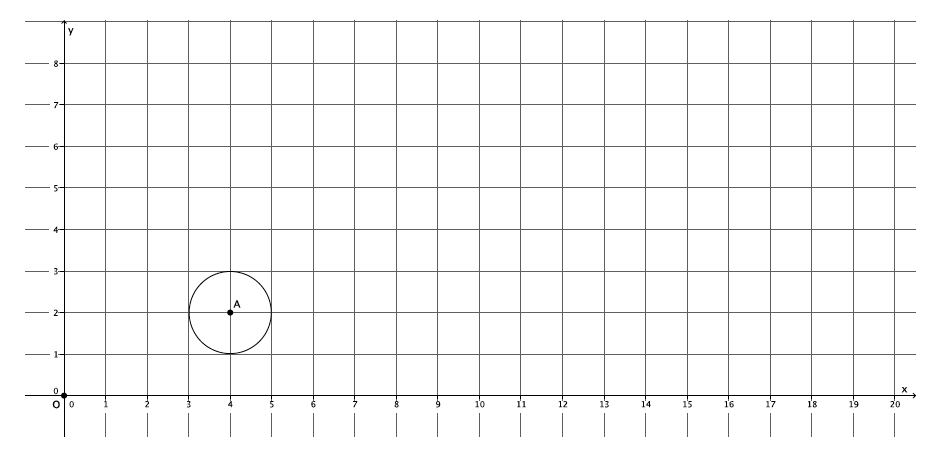
Lesson 3: Examples of Dilations

Classwork

**Example 1**

Dilate circle, from center at the origin by scale factor

Exercises 1–2

1. Dilate ellipse , from center at the origin of the graph, with scale factor . Use as many points as necessary to develop the dilated image of ellipse .

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1. What shape was the dilated image?

Exercise 3

1. Triangle has been dilated from center by a scale factor of denoted by triangle . Using a ruler, verify that it would take a scale factor of from center to map triangle onto triangle .

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