Name: _____   Date: _____

TI-Nspire Technology Lesson
Unit 7: Drawing Scale Diagrams

On your calculator, press (🏠) > **7: My Documents**, then open file **u07_332.**
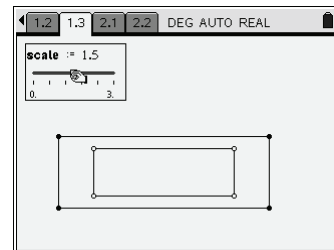

Enlarging a Rectangle

On page 1.3, the rectangle with white vertices is the original rectangle. Its scale diagram has black vertices.
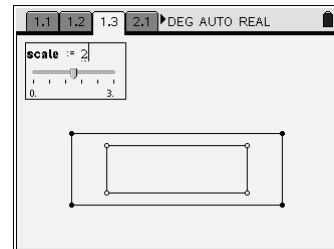
You can change the original rectangle by dragging its vertices.

1. Change the scale factor so the scale diagram is an enlargement of the original rectangle.

- *Method 1:*
  Drag the slider.

- *Method 2:*
  Click the scale factor.
  Type a new scale factor, then press (enter).

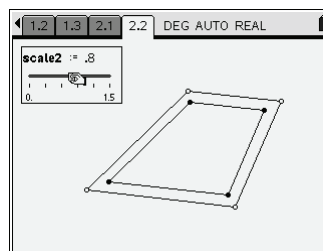**2.** For what scale factors is the scale diagram an enlargement of the original rectangle?

Reducing a Quadrilateral

On page 2.2, the quadrilateral with white vertices is the original quadrilateral. Its scale diagram has black vertices.
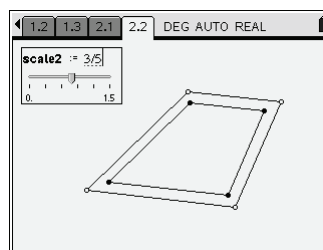
You can change the original quadrilateral by dragging its vertices.

1. Change the scale factor so the scale diagram is a reduction of the original quadrilateral.

- *Method 1:*
  Drag the slider.

- *Method 2:*
  Click the scale factor.
  Type a new scale factor, then press (enter).

2. For what scale factors is the scale diagram a reduction of the original quadrilateral?

3. For which scale factor is the scale diagram the same as the original quadrilateral?