

## Four-Point Stars

The four images below have  $90^\circ$  rotational symmetry (ignoring color differences), and each is based on  $S = 17$ . The square created by linking the four internal vertices has a total area of  $1/16^{\text{th}}$  the area of the total image in each case for the left column and  $1/100^{\text{th}}$  of the area of the total image for the right column.

Using the ideas set forth in the [Beyond Inside the Box](#) explainer, can you determine the values of  $V$ ,  $P$  and the vertex 6 coordinates for each image?

