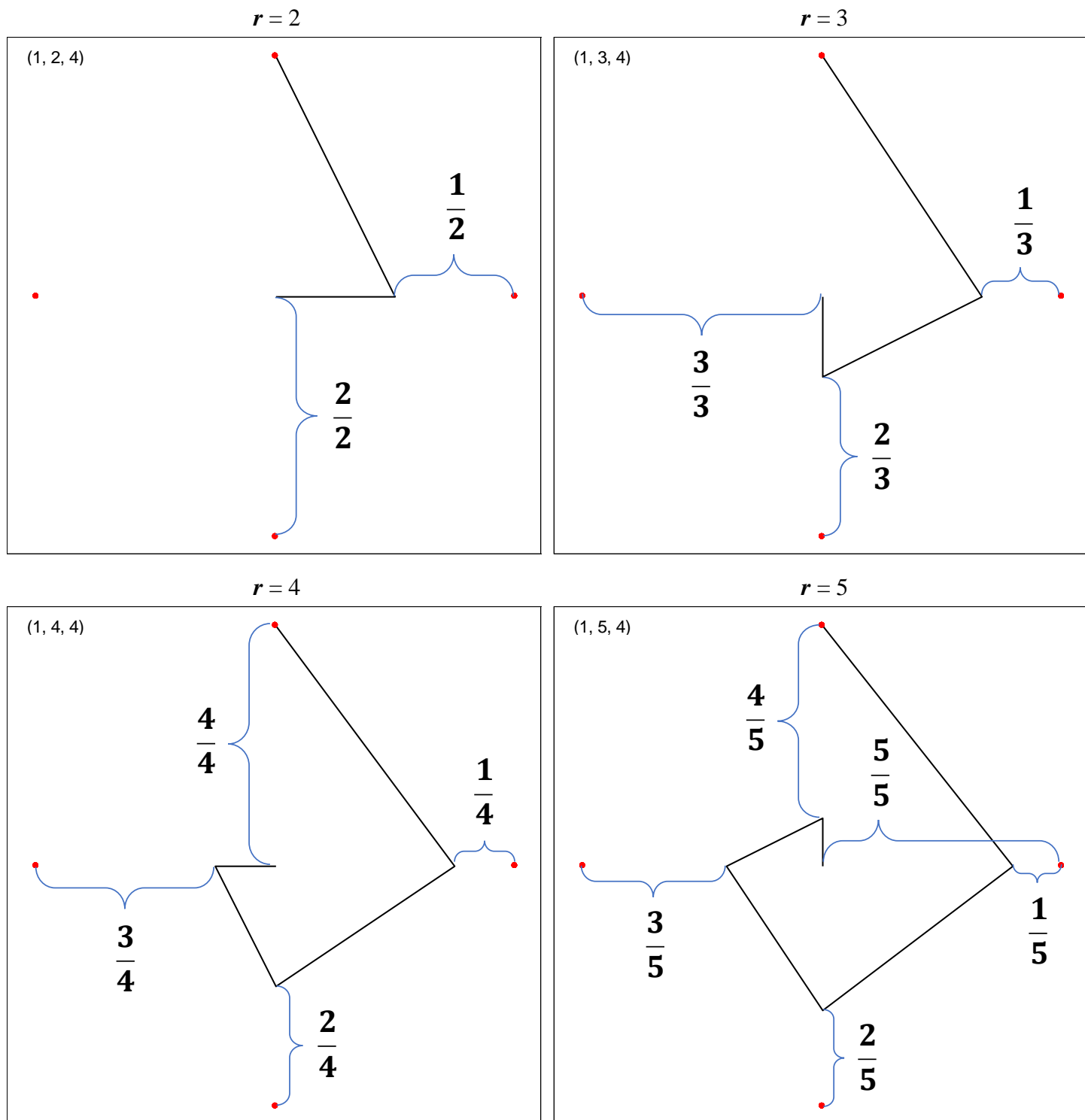


## Annotated images showing the radius reduction factor, $r$

All four panels are based on a parent square, so  $n = 4$ , with vertex jump of one clockwise movement per line segment drawn, so  $J = 1$ . Values are listed in the upper left corner of each panel as  $(J, r, n)$ .

Each endpoint reduces the radius by  $1/r$  from prior endpoint.



Each image starts at the top of the parent polygon (here a square since  $n = 4$ ). In each image, the numerator of the fraction,  $i$ , is the endpoint of the  $i^{\text{th}}$  segment and the denominator of the fraction is the radius reduction factor  $r$ . The image reaches the center of the circle (containing the parent polygon's vertices) in  $r$  connected line segments because then the endpoint has been reduced by  $r/r = 1$  or 100%.