

$f(x; \mu, \sigma)$

0.4



The image shows a normal distribution curve plotted on a grid. The vertical axis is labeled  $f(x; \mu, \sigma)$ . The curve is symmetric and bell-shaped. A vertical line is drawn at a point to the right of the mean, and the area under the curve to the right of this line is shaded in light green. The value 0.4 is written inside the shaded region, indicating the probability or area under the curve for that tail.