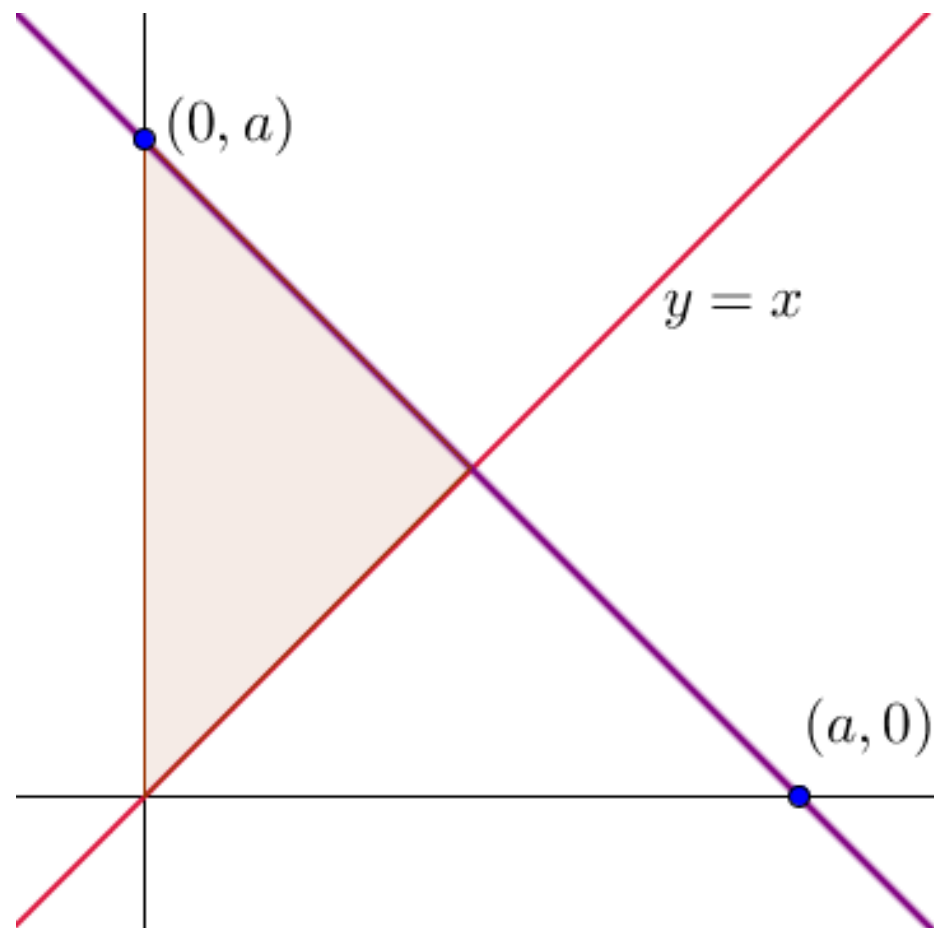


SAMPLE

## In a corner

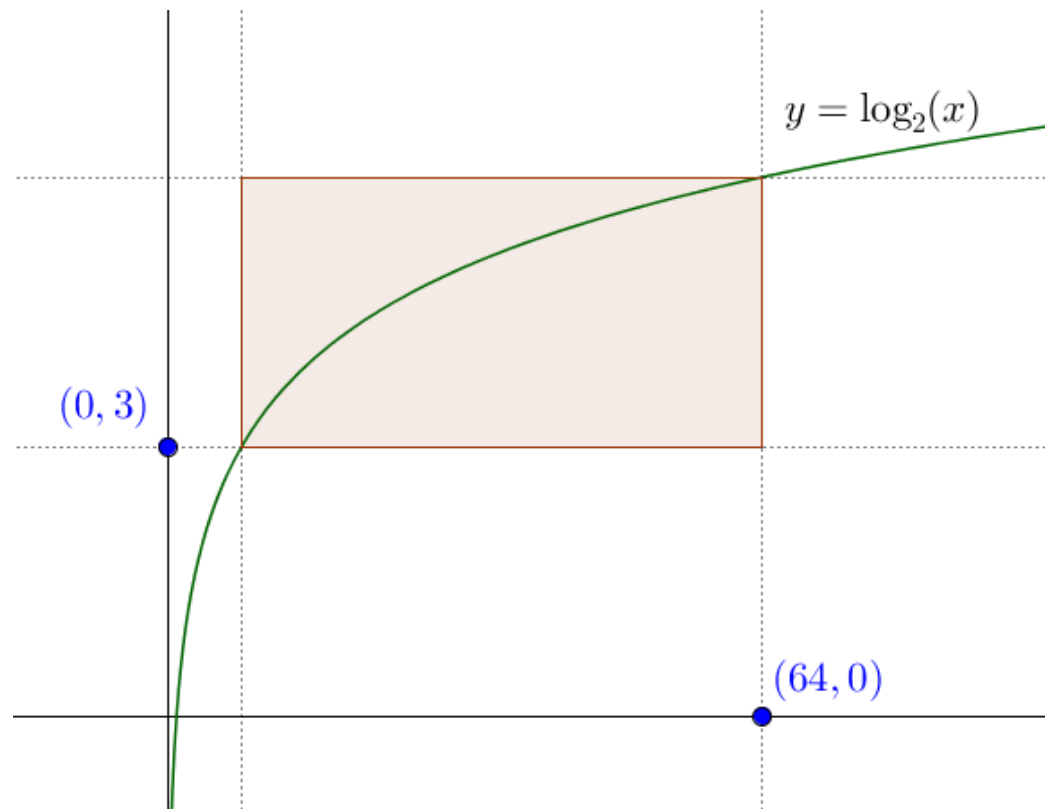
For which value of  $a$  is the area shown equal to 16?



# Log region

Each straight line shown is either horizontal or vertical.

What is the area of the rectangle shown?



# SAMPLE Leaf span

For which value of  $c$  with  $0 < c < 1$  is the vertical blue line shown the longest?

