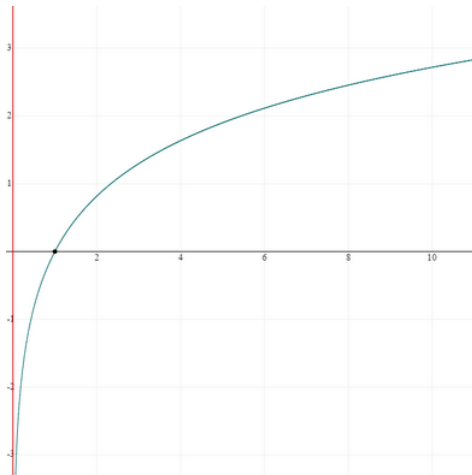## Answer on Question #57292 Math / Algebra

Task: how do you sketch g(x)=-3ln(x-2)

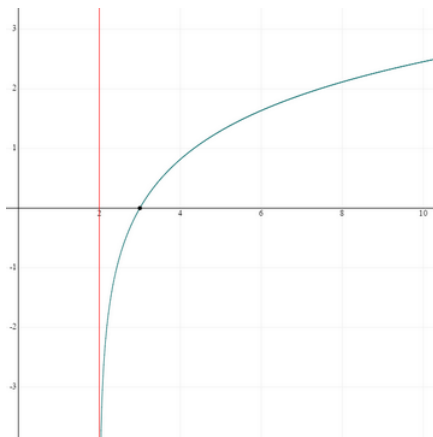## Solution.

Build a sketch of the given function by successive transformation graph of the function y=ln(x).
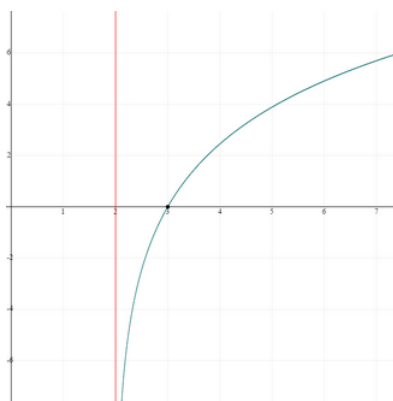

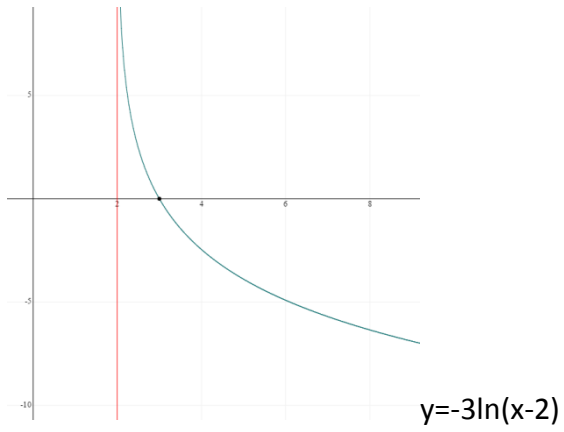y=ln(x)

1. Move this graph 2 units right along the x-axis.

y=ln(x-2)

2. Stretch it into 3 times along the y-axis.

y=3ln(x-2)

3. Make symmetry in regard to x-axis.

y=-3ln(x-2)