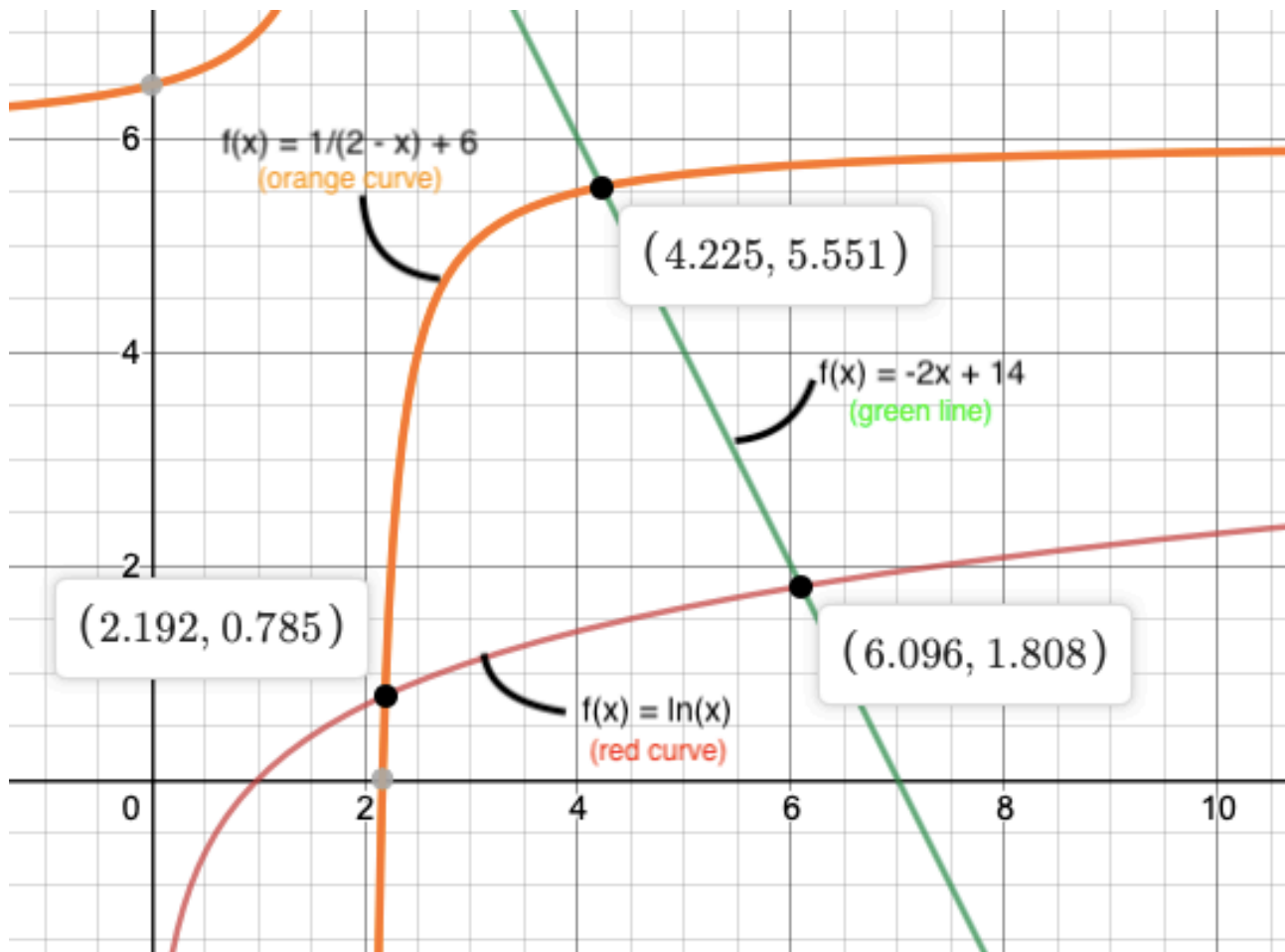


Results and images

The given curves are $f(x) = \ln(x)$ (red curve on graph), $f(x) = -2x + 14$ (green line on graph), $f(x) = 1/(2-x) + 6$ (orange curve on graph).



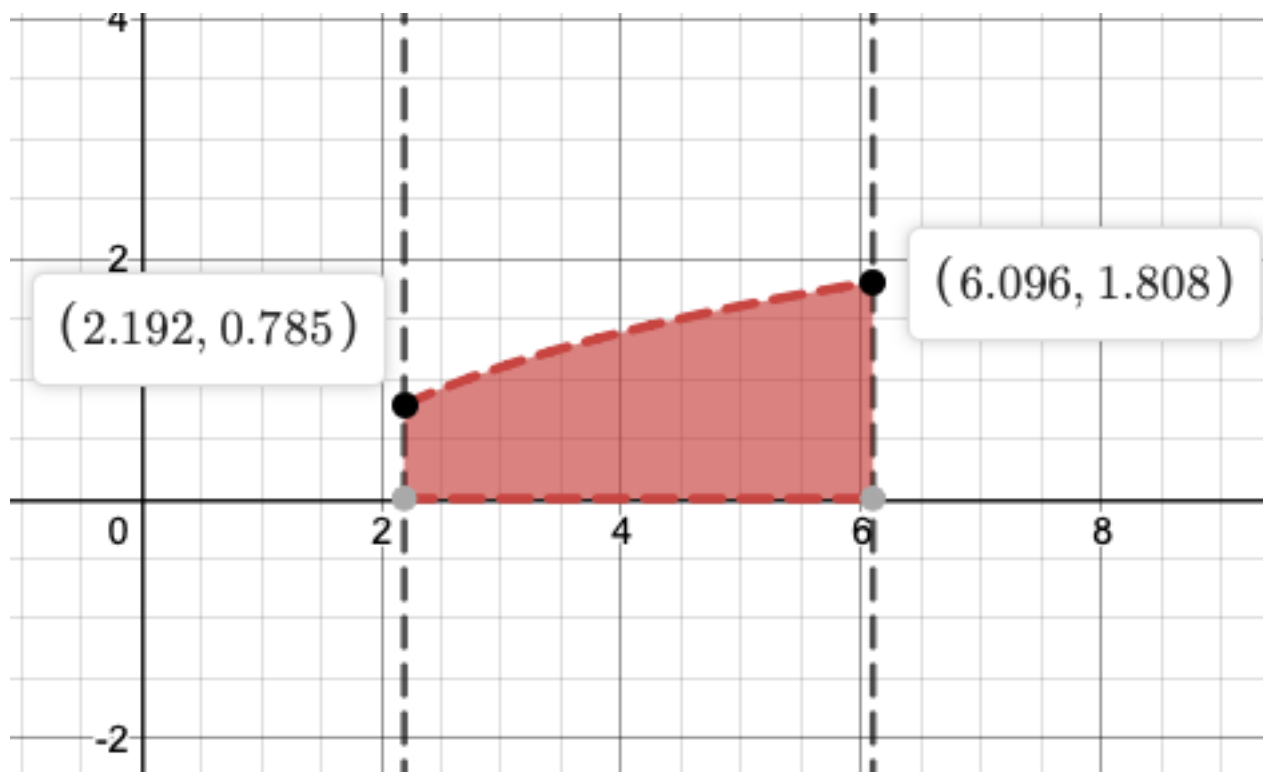
Curve intersection points:

$x_1 = 6.096170$ - between red (1st) and green (2nd) curve,

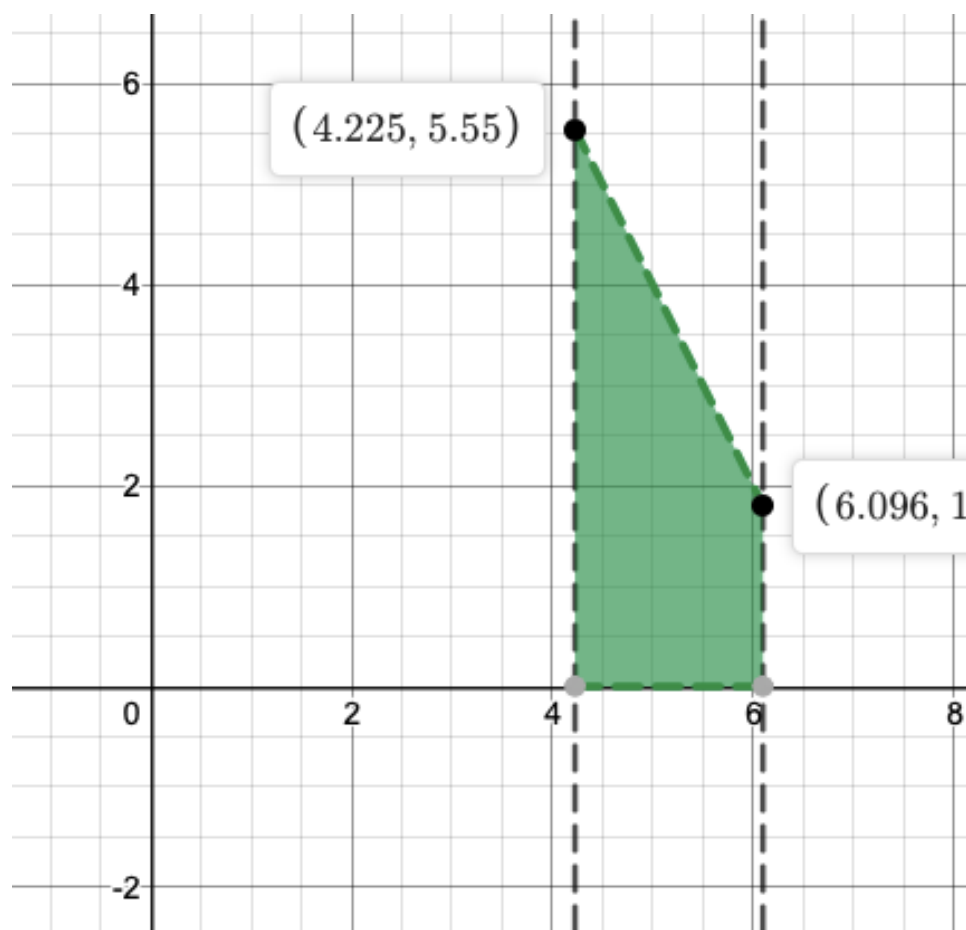
$x_2 = 2.191743$ - between red (1st) and orange (3rd) curve,

$x_3 = 4.224745$ - between green (2nd) and orange (3rd) curve.

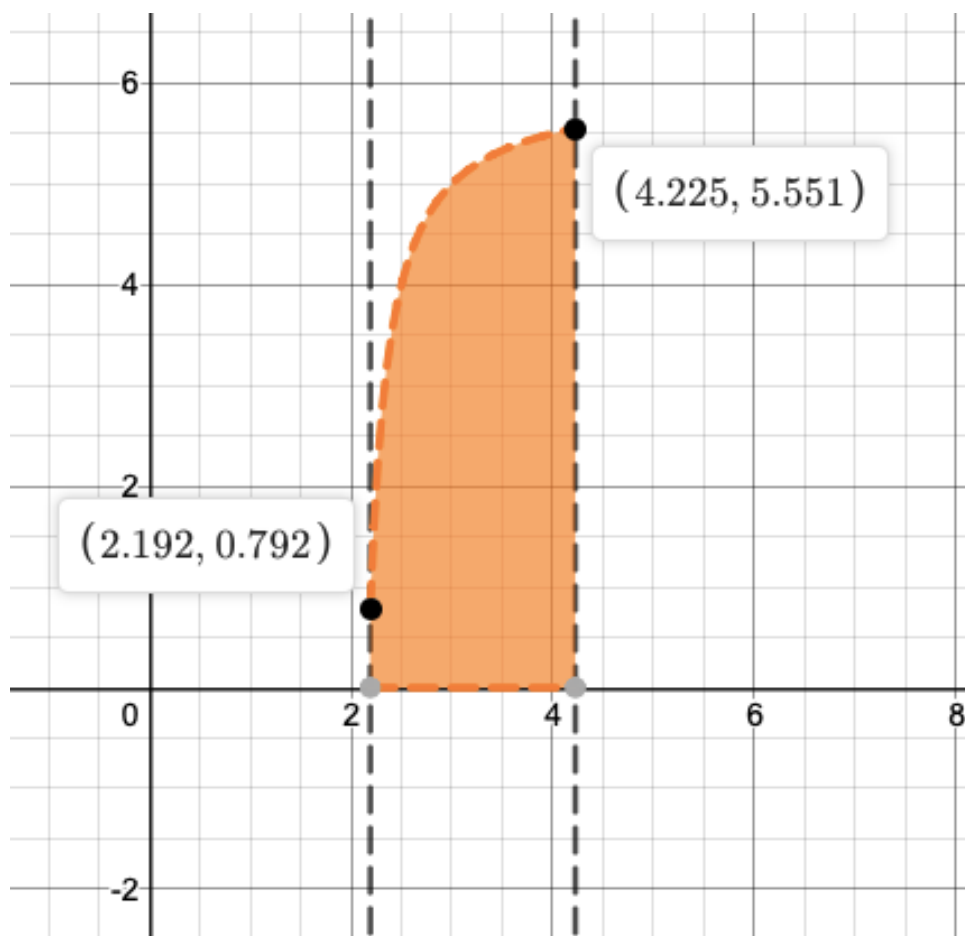
1) Area under 1st (red) curve : 5.39552:



2) Area under 2nd curve (green): 6.88513:



3) Area under 3rd curve (orange): 9.74677:



The result:

Area between given curves with $\text{eps} = 0.001$: 11.23638:

