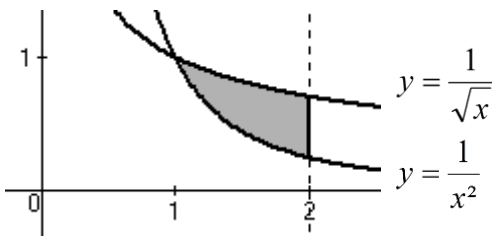


1 pt	9°)	Calculer : $I = \int_{\pi/3}^{\pi/2} \cos 2x \, dx$
1,5 pt	10°)	Calculer : $J = \int_0^1 \frac{e^{3x}}{e^{3x} + 2} \, dx$
1,5 pt	11°)	Calculer : $K = \int_0^1 \frac{x}{(x^2 + 1)^3} \, dx$
2 pt	12°)	Calculer : $L = \int_0^3 (x-3)e^{-x} \, dx$
2 pts	13°)	<p>Calculer l'aire, en cm^2, de la portion grisée :</p> <p>(unité graphique : 2 cm)</p>  <p>The graph shows a Cartesian coordinate system with the x-axis labeled from 0 to 2 and the y-axis labeled from 0 to 1. Two curves are plotted: the upper curve is $y = \frac{1}{\sqrt{x}}$ and the lower curve is $y = \frac{1}{x^2}$. The region between these two curves from $x = 1$ to $x = 2$ is shaded gray. A vertical dashed line is drawn at $x = 2$.</p>