1. ( 5 pts ) Evaluate the integral

$$
I=\int_{0}^{1} \frac{3}{\sqrt{4-x^{2}}} d x
$$

Hint: $\left(\sin ^{-1} x\right)^{\prime}=\frac{1}{\sqrt{1-x^{2}}}$.
2. ( 5 pts ) Find the area of the region bounded by the curves $y=\sqrt{x-1}$ and $x-y=1$.

