1. Find the area bounded by the graphs of $y = -5\sin(x)$, $y = -\frac{1}{2}x^2 + 5$, x = 0, and $x = \pi$.

2. Find the area bounded by the graphs of $y=x,\,y=\frac{1}{x^2},\,x=2.$

3.	Find the area	of the bounded	region between	the curves $y^2 =$	= 4x and y = 4x - 2.
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4. Find the area of the region bounded by
$$x = \sin(y), x = 1, y = 0, \text{ and } y = \pi.$$

5. Set up an integral that can be used to find the area of region bounded by $x = y^{2/3}$ and $x = y^2$ by integrating with
respect to (a) x and (b) y. You DO NOT need to evaluate these two integrals.

6. Set up an integral that can be used to find the area bounded between $x = \sqrt[3]{y}$ and $y = 3x^2 - 2x$. You DO NOT need to evaluate this integral.