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∵ $0 < a < 2 < \sqrt{3}$.

$y = a(x-2) \dots \textcircled{1}$

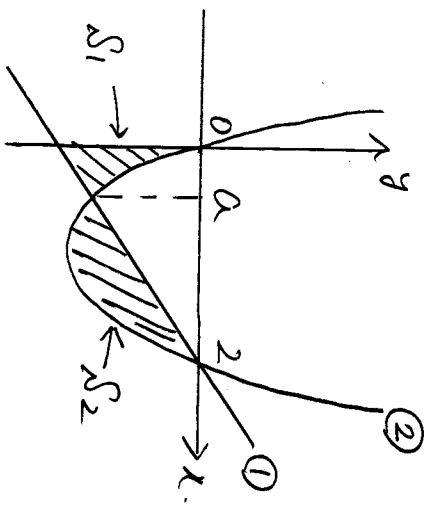
$y = x^2 - 2x \dots \textcircled{2}$

(1) $x^2 - 2x = a(x-2)$

$x(x-2) - a(x-2) = 0$

$(x-a)(x-2) = 0$

∴ $x = a, 2$,



$S_1 =$

$S_2 =$

∴ $S = S_1 + S_2 =$

(3) $S' =$

解

(3) $a(1)2(1 \sim 1) - \frac{1}{3}a^3 + 2a^2 - 2a + \frac{4}{3}$
 (4) $2 - \sqrt{2} (\sim \sim y) \frac{8 - 4\sqrt{2}}{3}$

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