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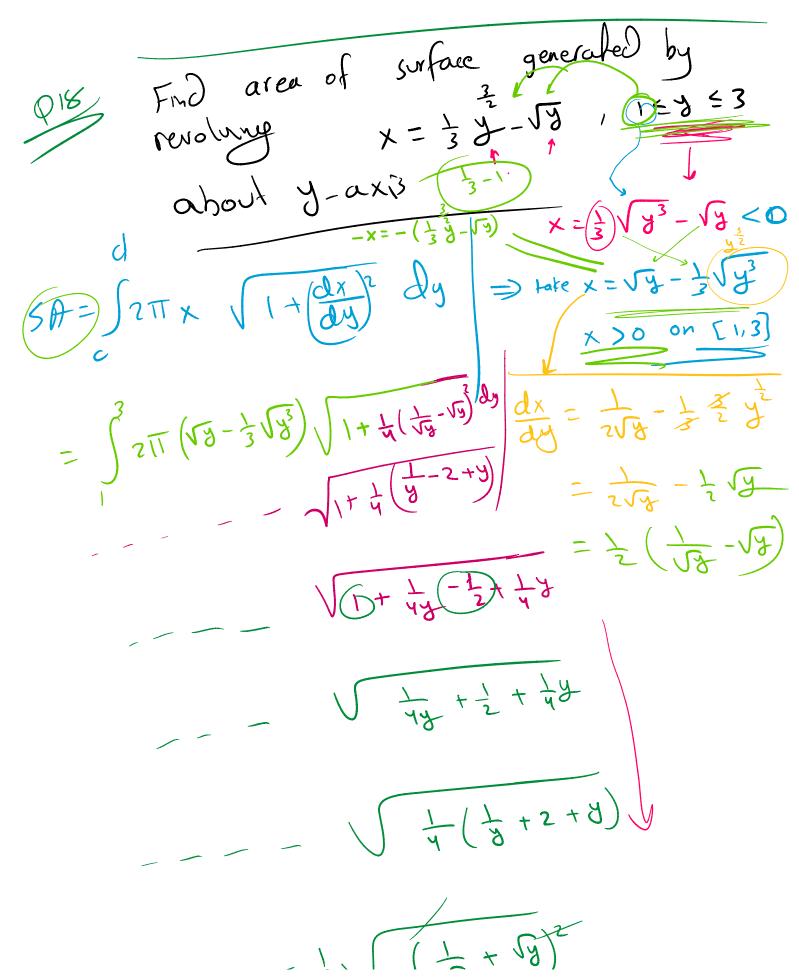
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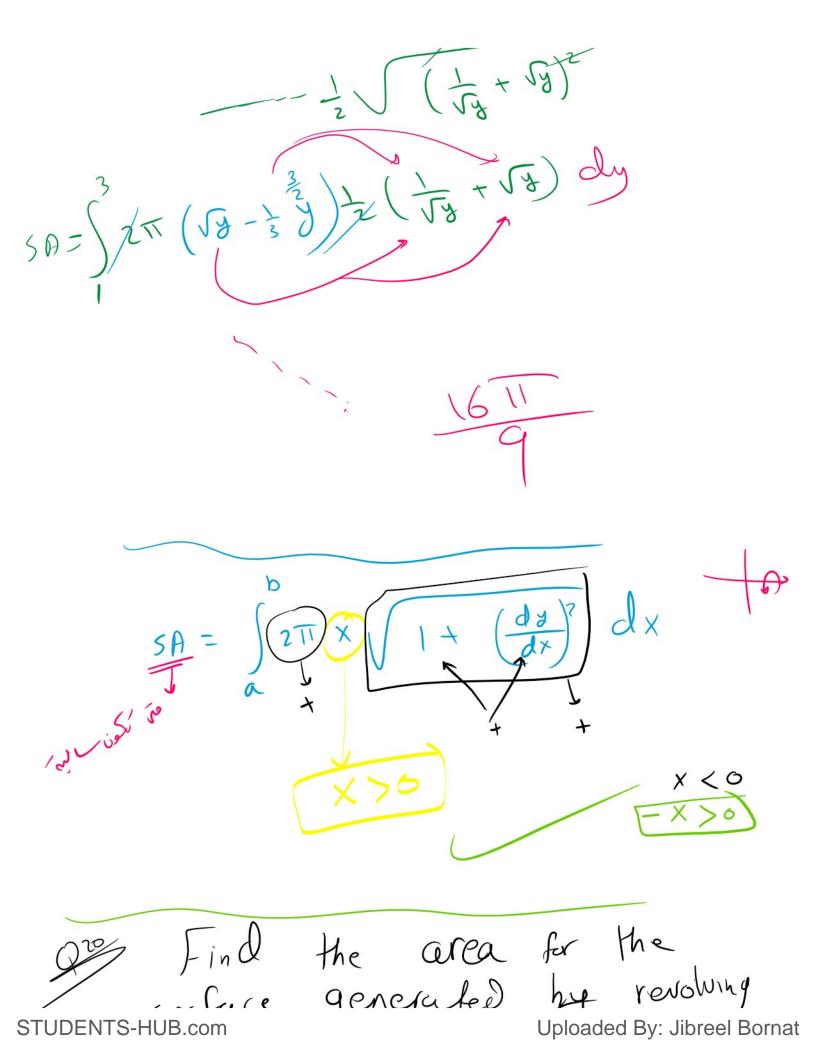
revoluting the curve about x-axis 7 > 6 on [113] SA = S2TT Y V 1+ (dy)2 dx 型一大 放 = 3 2TT (2VX) \[1+ \frac{1}{\times} \] (dy) = x = 4TT) (XX VX XX u = x+1 du = dx= 4 TT | V x +1 dx x=1 =) u=2 $x = 2 \Rightarrow u = 3$ = yTT j' va du $=\frac{8\pi}{3}\left(3\sqrt{3}-7\sqrt{2}\right)$ = YTT U = ---

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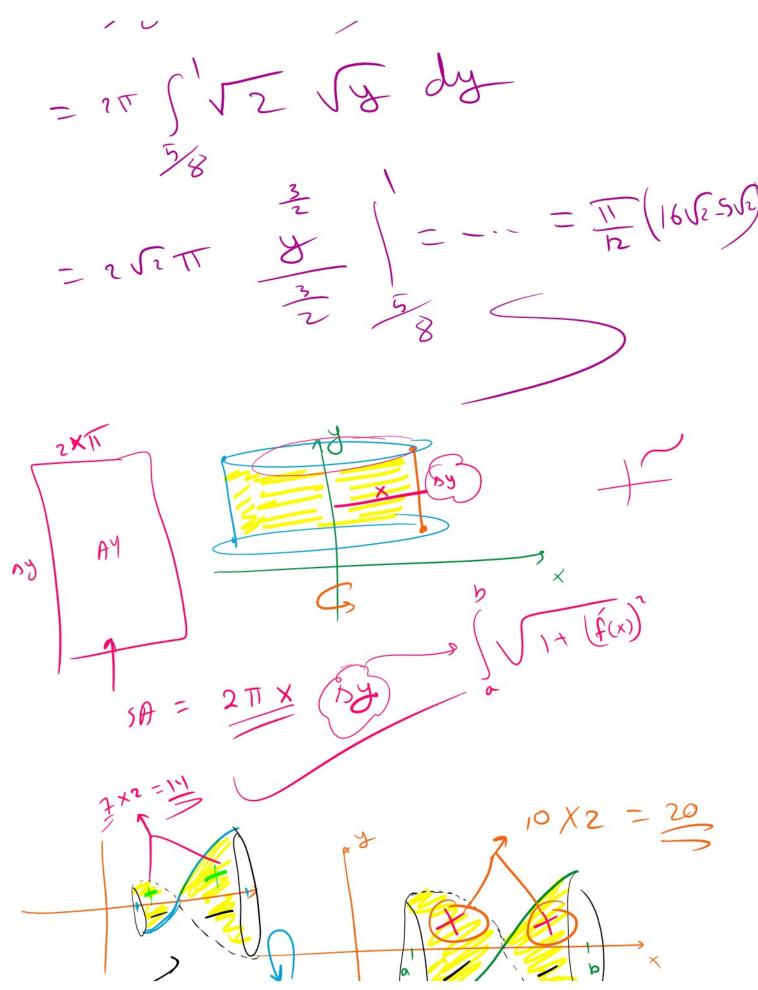
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surface generated by revolving $x = \sqrt{2} - 1$ about $y = a \times 15$ $x = \sqrt{2} - 1 = \sqrt{2} - 1 > 0$ $x = \sqrt{2}(1) + 1 = \sqrt{1} > 0$ $x = \sqrt{2}(1) + 1 = \sqrt{1} > 0$ $x = \sqrt{2}(1) + 1 = \sqrt{1} > 0$ $x = \sqrt{2}(1) + 1 = \sqrt{1} > 0$ $x = \sqrt{2}(1) + 1 = \sqrt{1} > 0$ $=2\pi\int\sqrt{2y-1}\sqrt{1+\frac{1}{2y-1}}dy\sqrt{\frac{dx}{2y-1}}=\frac{1xx}{2\sqrt{2y-1}}$ = 211 \[\sqrt{2y-1} \] = 27 5



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