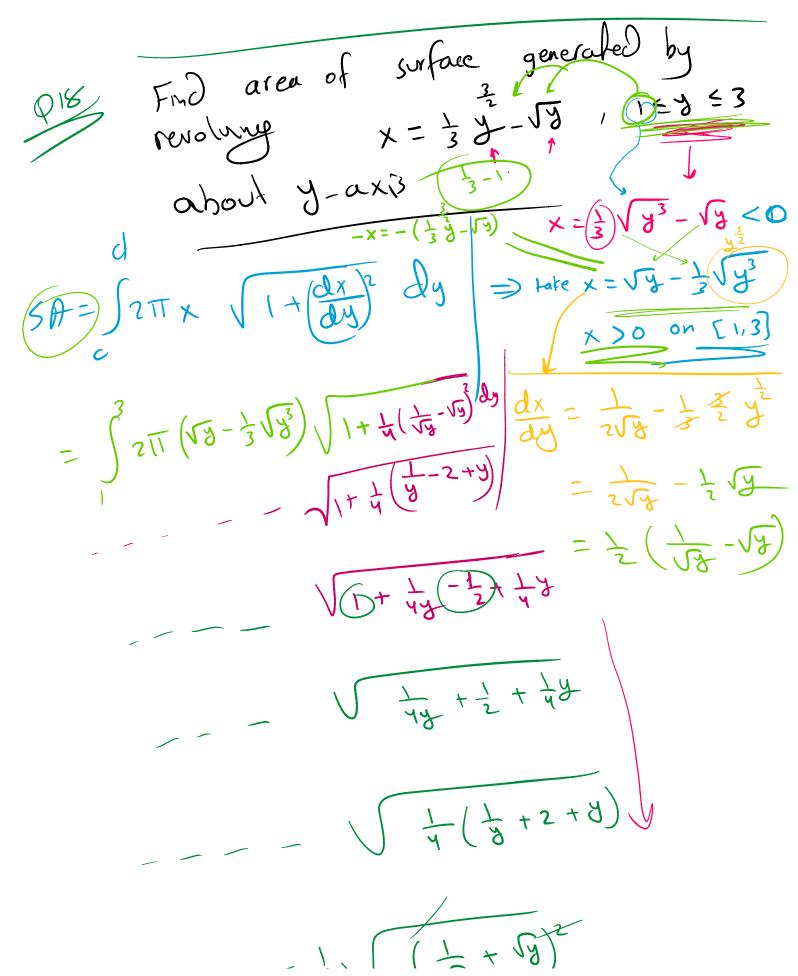
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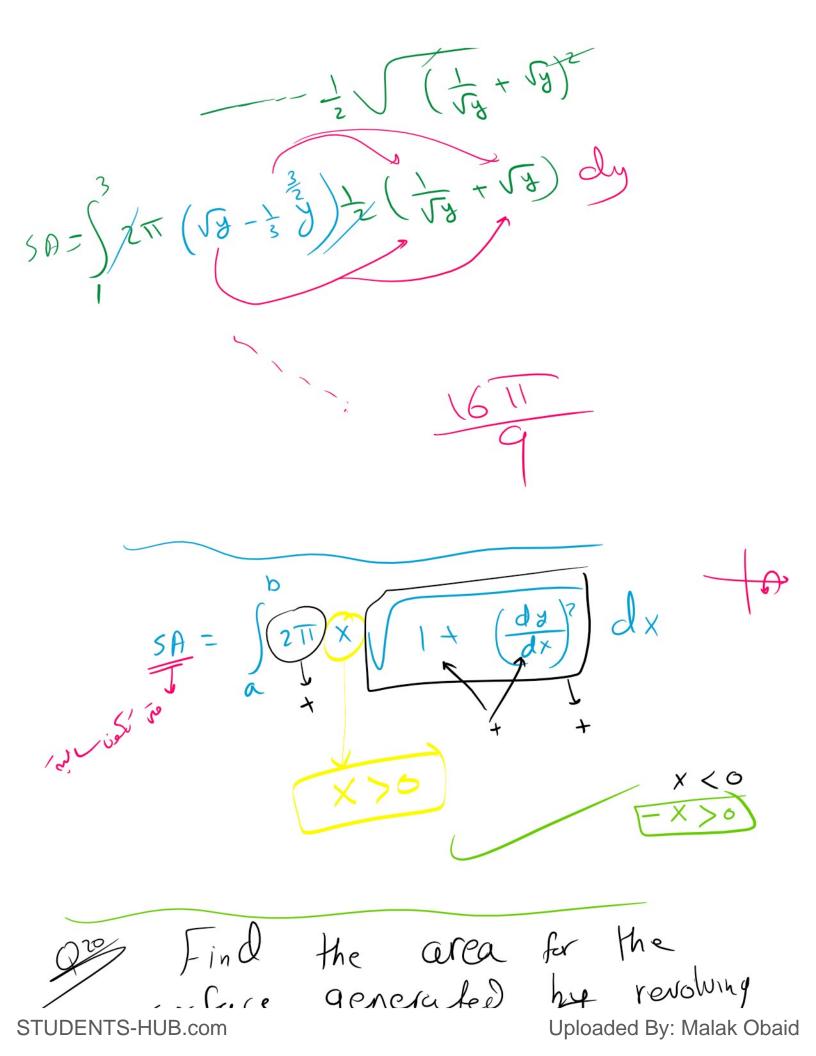
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revolving the curve about x-axis 7 > 6 on [113] SA = S2TT Y V 1+ (dy)2 dx 27 = 7 ZX (dy) = + = 3 2TT (2VX) J1+ X = 4TT) (XX VX XX u = x+1 du = dx= 4 TT | V x +1 dx x=(=) u=2 $x = 2 \Rightarrow u = 3$ = yTT j' va du $=\frac{8\pi}{3}\left(3\sqrt{3}-7\sqrt{2}\right)$ = YTT U = --some rated by

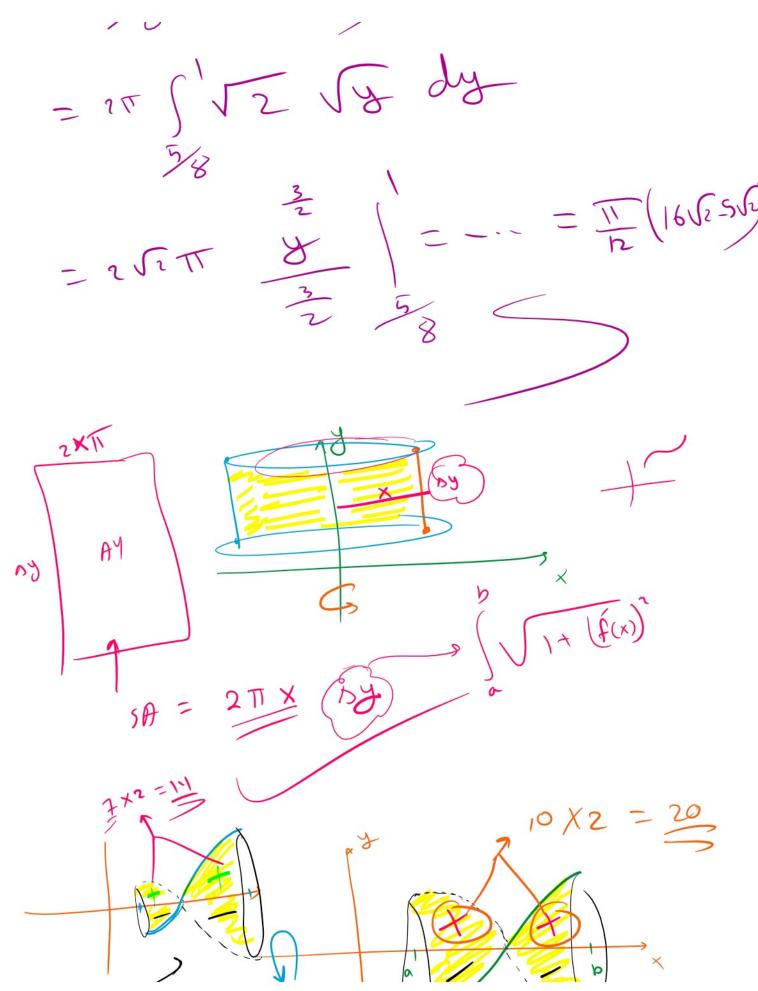
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surface generated by revolving $X = \sqrt{2y-1}, \quad \begin{cases} \frac{2}{8} \times \frac{4}{2} \\ \frac{1}{8} \times \frac{4}{2} \end{cases}$ $\frac{2}{8} \times \frac{4}{2} \times \frac{1}{2} \times \frac{1}{$ $=2\pi\int\sqrt{2y-1}$ $+\frac{1}{2y-1}dy$ $\frac{dx}{dy}=\frac{1}{2\sqrt{2y-1}}$ $\frac{dx}{2\sqrt{2y-1}}$ = 211 / 24-1 = 2TT \\ \int \\ \int



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