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Section 6.1 Video Worksheet

Substitution and Area between Curves

Area between Curves

Let f be continuous on the symmetric interval $[-a, a]$

If f and g are continuous with $f(x) \geq f(x)$ through $[a, b]$,

$$\int_{-1}^{1} \frac{5r}{\left(4+r^2\right)^2}\, dr$$

$$\int_{0}^{1} \sqrt{t^5+2t}\left(5t^4+2\right) dt$$

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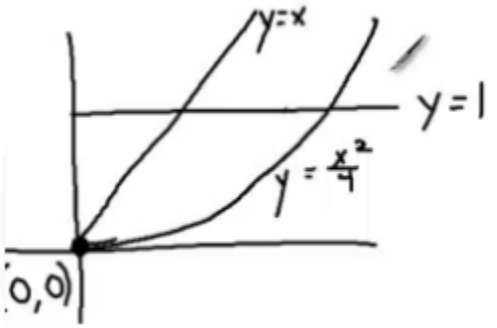

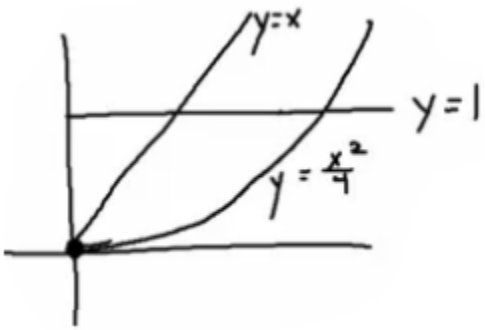

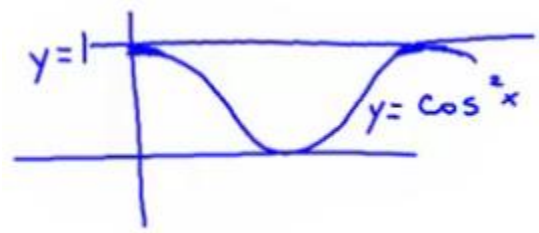

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$y = \sqrt{|x|}$ $5y = x + 6$