## Exit[]

a >= 0 & b >= 0

 $a \ge 0 \&\& b \ge 0$ 

$$y[x_{]} := x Sqrt \left[1 - \frac{1}{Log\left[\frac{x}{a}\right] + \frac{1}{1 - (b/a)^2}}\right]$$

Simplify 
$$\left[D[y[x], x] - \frac{1}{2} \left( \frac{x}{y[x]} + \left( \frac{y[x]}{x} \right) ^{3} \right) \right]$$

0

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