

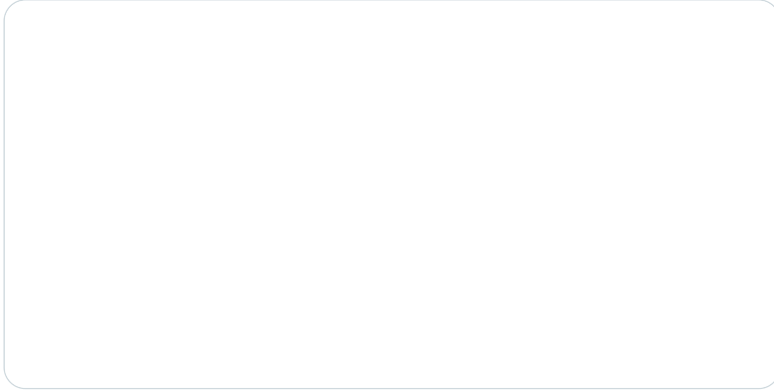


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Square root approximation



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That's using the definition of derivative for

$$d/da (\text{sqrt}(a)) = \frac{1}{2} a^{-1/2}$$



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Use of Taylor series - first two terms.



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