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## **Calculus Worksheet: Rate of Change (2)**

A block of ice start melting at t=0 where t is the time. The rate at which its mass M decreases is proportional to the cube root of the mass. If the initial (at t=0) mass M is equal to 5 Kilograms and it is equal to 3 Kilograms at t=1 hour, find t so that M=0.

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