



EECS 42 – Introduction to Electronics for Computer Science

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Dept. EECS,
UC Berkeley

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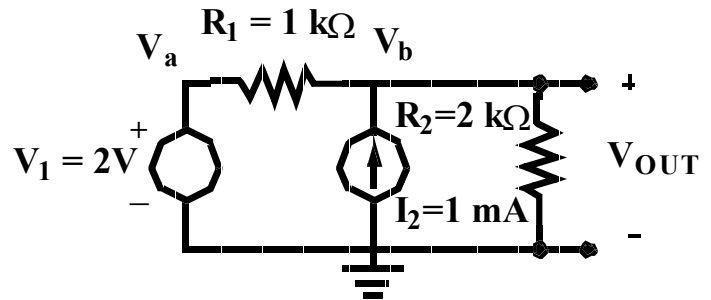
Course Web Site <http://www-inst.EECS.Berkeley.EDU/~ee42/>

Quiz #1 February 26, 2003

Show your work so that the method can be graded for correctness and completeness and all of the points do not depend on just the final numerical value.

I (20 Points) Basic Circuit Analysis

a) For the circuit shown find V_b .



b) Find the Thevenin resistance seen looking into the output terminals.

II (20 Points) Transient Analysis

The current source in the circuit to the right is turned from 0 to 1 mA at $t = 0$. Find an equation that describes $V_C(t)$.

