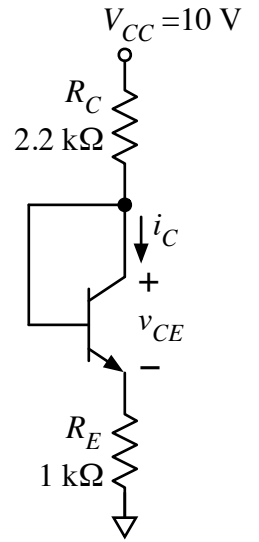$V_{CC} = 10$ V

For the circuit shown, calculate i_C and v_{CE}. The BJT has $\beta_F = 100$. Note that the with the base tied to the collector, $V_{BC} = 0$. This means something!

R_C
2.2 kΩ

$i_C = $ _____

$\downarrow i_C$

$+$

v_{CE}

$-$

$v_{CE} = $ _____

R_E
1 kΩ

$V_{CC} = 6$ V

R_C
0.82 kΩ

For the circuit shown, determine the value of V_{BB} that will make $v_{CE1} = 3$ V. The BJTs both have $\beta_F = 100$.

$+$

v_{CE2}

$-$

R_B

$V_{BB} \circ \!\!\!-\!\!\!\backslash\!\backslash\!\backslash\!\!\!-$

$+$

v_{CE1}

120 kΩ

$-$

$V_{BB} = $ _____