Problem 1
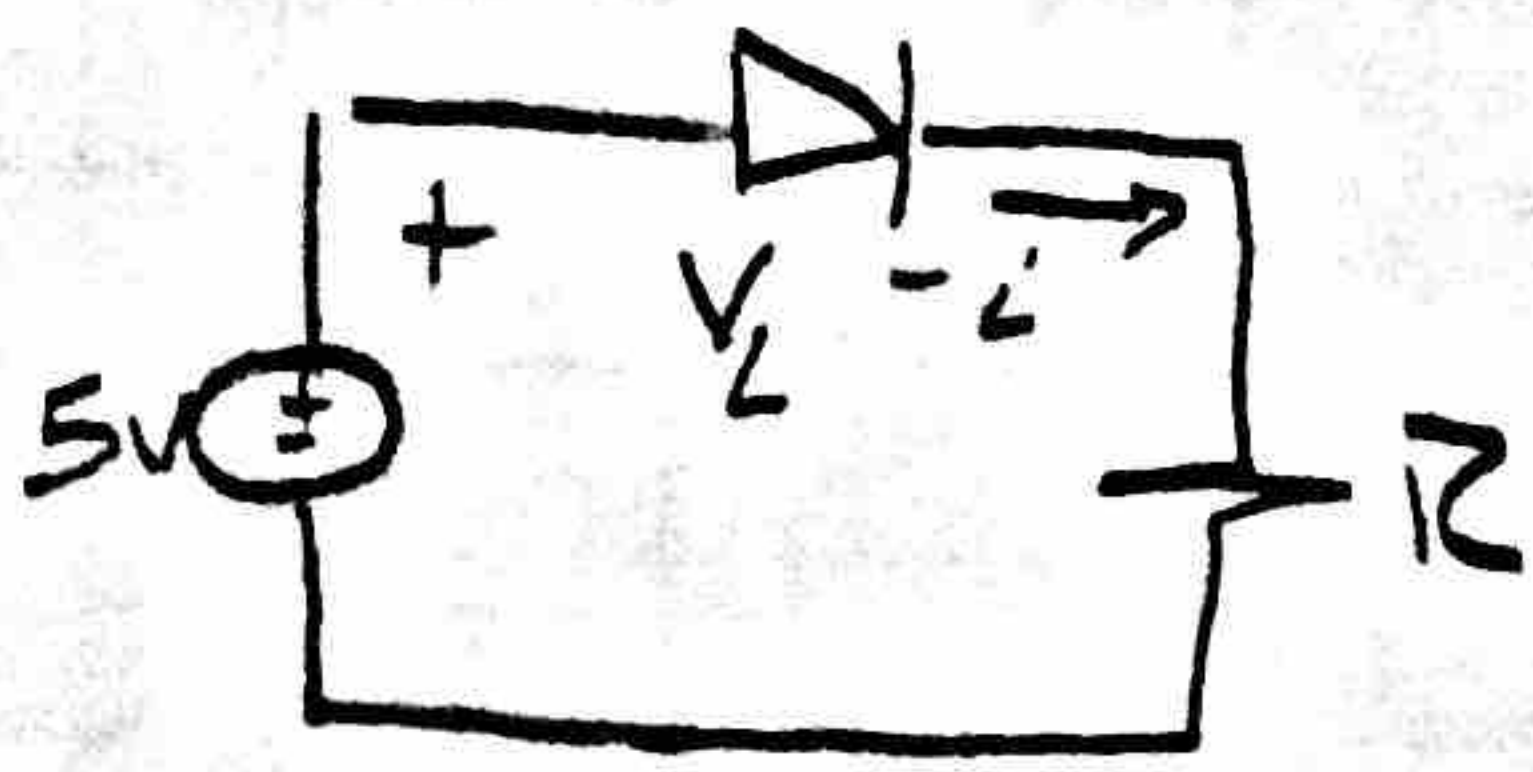
a.)

$$i = 25mA$$
$$V = iR$$
$$R = \frac{V_s - V_L}{i} = \frac{5V - 3.2V}{.025A} = 72\Omega$$

b.)
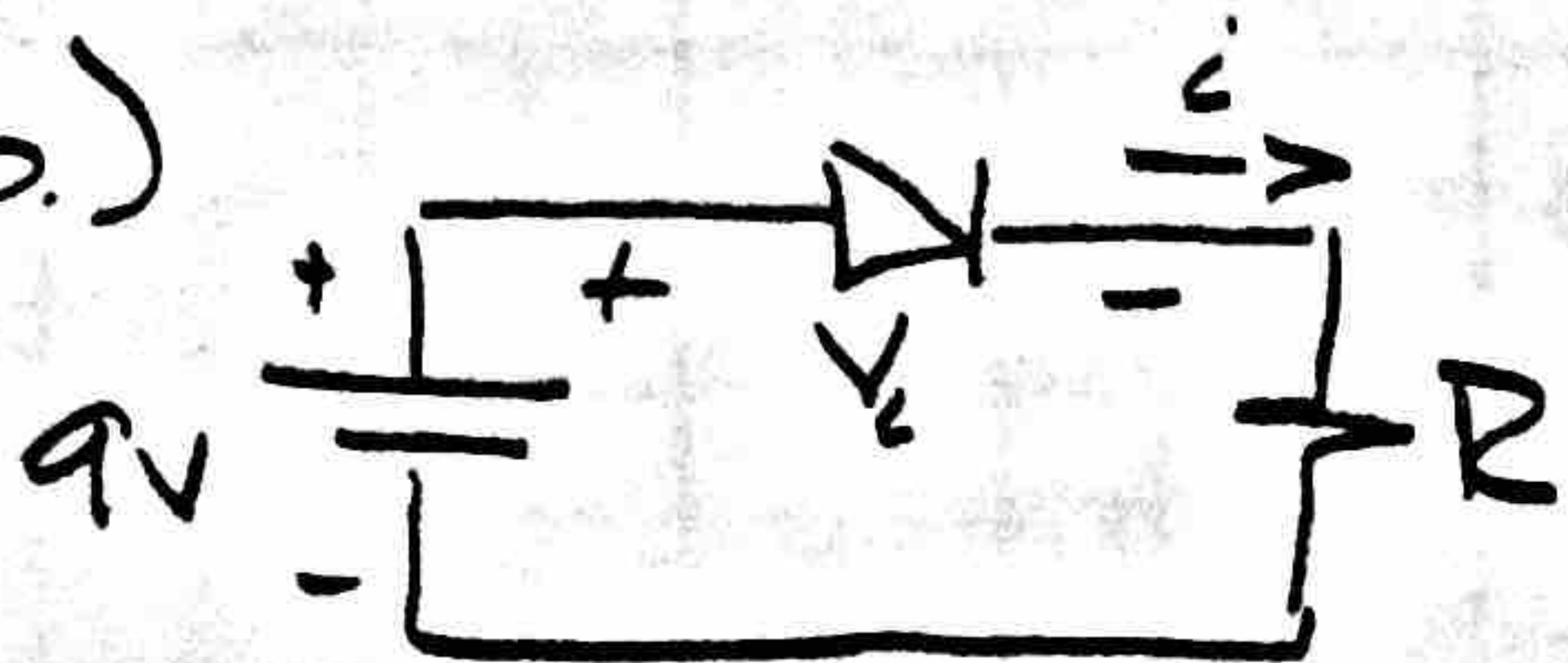
$$i = 20mA$$
$$V = iR$$
$$R = \frac{V_s - V_L}{i} = 335\Omega$$

c.) For part a.) I would use a 100Ω resistor, and for part b.) I would use a 330Ω in series with a 10Ω resistor.