Datasheet for Lab 2: Safety, Breadboards, DMM

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PRELAB – Complete these exercises before coming to class on lab day

MATCHING -- Electronics Lab Safety Rules.

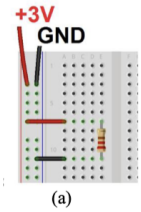
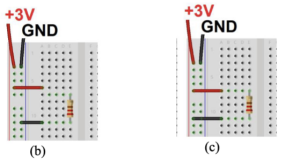
Put the letter that best completes the safety rule in the space provided

Safety Rule Start	Letter	Safety Rule End
1) Never work on a circuit	c	a) dry.
2) Do not connect power to a circuit	e	b) pay attention to the task you are working on.
3) If you smell anything burning, immediately disconnect the power and	f	c) while power is applied.
4) Keep your work area	a	d) email a photograph of the circuit for inspection.
5) Always use common sense and	b	e) until the circuit is finished and you have carefully checked your work.
6) If at any time you are not sure how to handle a particular situation,	g	f) examine your circuit to find out what went wrong.
7) Online students should	d	g) ask the instructor for advice.

Table 1. Resistor Values and Color Codes

A) For these resistors, determine the nominal, min and max values they should be				B) For these nominal resistor values, determine the color bands	
Resistor	Nominal Value	Min Value	Max Value	Nominal Value	List the Resistor Color Bands (R,V,W, etc)
	68Ω	6.12Ω 64.6	71.4	5.3 MΩ	Y, O, Green, Orange, Gold
	4.7kΩ	4.465kΩ	4.935kΩ	940 KΩ	white, yellow, brown
	680kΩ	646kΩ	714kΩ	2.6 KΩ	red, blue, gold

Breadboard Quiz Answers – Copy/paste the image of the

2. Correct Breadboard	3. Incorrect Breadboard
The correct breadboard is (a)  (a)	(b) is not connected through the right row and (c) is not connected to ground.  (b) (c) On Question 3, (c) is incorrect because the resistors are in different rows