

Math 341

Dr. }
Prof. } Waterman
Mr. }
Gregg

① Name

② Major

③ Hometown

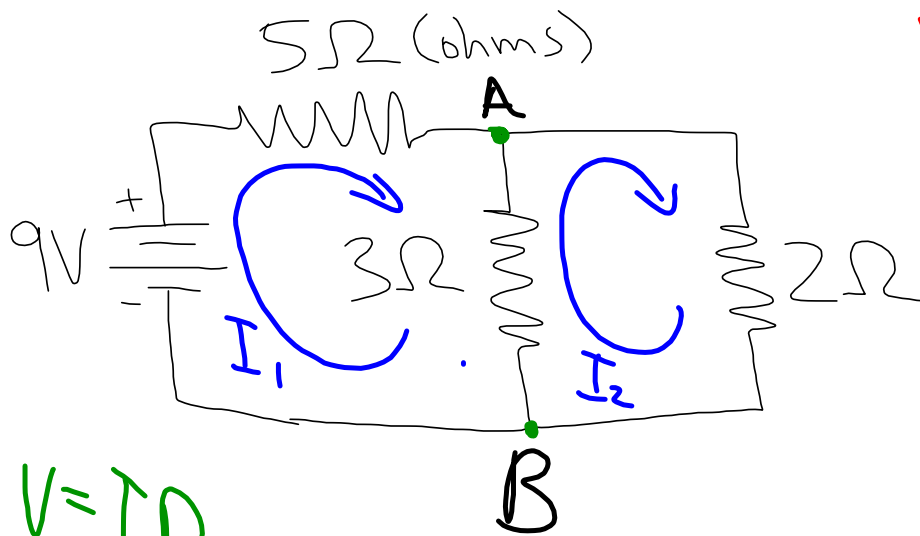
④ Do you have a
graphing calculator?

⑤ Do you have an
8:00 class? If yes,
what days?

⑥ Tell me something
about you.

Find the equation of the line
in the xy -plane through $(2,5)$ and
 $(4,1)$.

$$y = -2x + 9$$



$V=IR$

What is current in 3Ω resistor?
From A to B? B to A?

$$\begin{aligned} 5I_1 + 3(I_1 - I_2) &= 9 \implies 8I_1 - 3I_2 = 9 \\ 2I_2 + 3(I_2 - I_1) &= 0 \implies -3I_1 + 5I_2 = 0 \end{aligned}$$

$$aI_1 + bI_2 = c$$

$$a_1x_1 + a_2x_2 + \dots + a_nx_n = b_n$$

Linear equation

$$I_1 = \frac{45}{31} \text{ A (amperes, "amps")}$$

$$I_2 = \frac{27}{31}$$

Section 1.3

Line containing $(2, 5)$ and $(4, 1)$.

$$y = mx + b$$

$$5 = 2m + b$$

$$1 = 4m + b$$

$$2m + b = 5$$

$$4m + b = 1$$

$$-2m = 4$$

$$m = -2$$

system of linear equations

