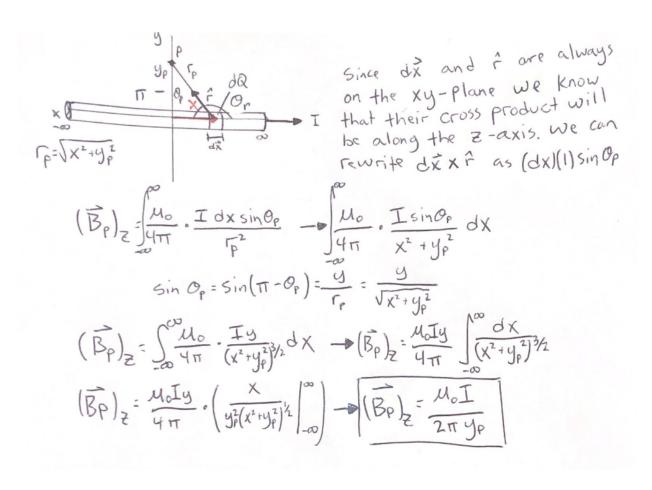
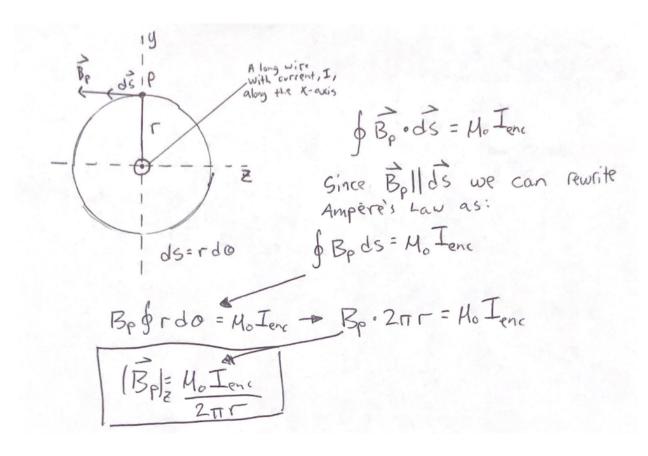
<u>HIP 7</u>

a. Use the Biot-Savart Law to calculate the magnetic field a distance r away from a long current carrying wire.



b. Use Ampere's Law to calculate the magnetic field a distance r away from a long current carrying wire.



We see that if $r = y_p$ and $I = I_{enc}$ then our equation for the magnetic field from a current carrying wire is corroborated by both Biot-Savart's Law and Ampere's Law.

GORY	PLARY (1.5)	MPLISHED (1)	LOPING (0.5)	GENT (0)
Statement and tion	arning tool for our class is written	olem is clearly presented for reader in n words.	plem is directly copied or is hard	p into some calculation
	etch could be dropped into a novel as it stands.	a clear sketch, larger than a credit the problem set up with important and data noted	some sketch of the problem	etch?
s Tools	ate physics tools are correlated vercise in textbook quality and	ate physics tools are correlated to the . Appropriate tools include: pictures, onservational laws utilized, etc	hysics tools are correlated to the .	re a few equations written.
m Solution tation	is very clearly presented with a saides or annotations	is complete and clearly presented no significant intuitive demands on the	colution I have to read between	es version of solution with only nts present
	ution can serve as solution	is larger than a credit card, tion is fluid, notation used is clear.	gure the path of your solution with	read it.
		correctly given	ions & quantities are presented s	nits at the results
n			close	ot reasonable
ant Figures		Sig Figs	effort to use correct significant	he number from the calculator
nableness	s more than one type of ableness check.	ne clear rationale for appropriateness of tion in the setting	that the answer is reasonable but sn't given any evidence	ission
Graded			е	ut your self-assessment is from mine by at least two steps.