Here are some examples of copying (or plagiarism from the same source) from a recent class. You may work together, but write up your results separately and please hand in your own work. If in doubt, ask the grader or me. Ask yourself, too: if the grader had a stack of 100 homework sets to grade, how unusually similar would your homework be compared to your study partner's vs. compared to everyone else? If it's easy to tell that you worked together, you should be more careful to write up your results separately.

★ 2.16 I would say that with emission and absorption lines you can detect the chemical make up of everybody in space.

★ 2.23 Yes, when the object & the observer are moving relative to each other then the doppler effect is relevant. see key

★ 2.25 F x W = Speed of light Wavelength = speed of light / frequency 299792,458 m/s / 95 MHz = 3155.71008421 see key

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0.5/1 $\sqrt{100} = 10$

$10 = D_1/.006m$

$D_1 = .6m$

b) $1,000,000 = (D_1/.006m)^2$

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$D_1 = 6$ units?

c) No

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