

Math122 College Algebra
Homework #2

Date Assigned: Friday, February 3, 2012

Date Due: Friday, February 10, 2012

Points: 20

Caution: This assignment will take you quite a bit longer to do than Homework #1, so please start early.

1) (3 pts) A little different spin of question 26. on p. 7 goes like this:

Jill is a sophomore and her transcript says that she has a GPA of 2.75 having earned 32 units. Jill is currently taking a 15-unit load consisting of five 3-unit courses. If Jill gets an A in each of her five courses, what will Jill's GPA become?

a) Find a formula for computing any new GPA given credits earned, an existing GPA, and a student's grades in various courses where each course is a certain number of credits. The formula will be similar to question 26 (a) except you will need to take into consideration an existing GPA and credits earned thus far.

b) Using your formula from a), compute Jill's new GPA.

c) Joe is a senior and his transcript says that he has a GPA of 2.75 having earned 100 units. Joe is currently taking a 15-unit load consisting of five 3-unit courses. If Joe gets an A in each of his five courses, show what Joe's GPA will become using the formula from a).

2) (6 pts) Work the following problems from P.3: 7b, 8b, 15, 19, 23, 24, 25c, 26ad, 28ab, 32, 37, 38, 44, 45, 51, 52, 54ab, 58, 59

3) (6 pts) Work the following problems from P.4: 8, 15, 18, 21, 27, 28, 30, 31, 37, 41, 43, 46, 53, 55, 62, 64, 68, 78, 79, 82, 83

4) (5 pts) Work the following problems from P.5: 15abc, 16abc, 18, 19, 23, 25, 26, 31, 32, 36, 37, 39, 41, 44, 49, 50, 53, 58, 63, 76, 77, 82, 83abc, 85