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clc
clear
disp('Name and Date:          Jeremy Stark 01/16/2019');
disp('Course and Section:    ENGR297 and class # 22749');
disp('Problem:               Matlab Homework 1');
disp('Statement:            Using variables to store solutions to math problems');
disp(' ');
disp('problem 3a')
value3a = (3^7 * log10(76))/(7^3 + 546) + nthroot(910, 3);
disp(value3a);
disp(' ');
disp('problem 3b');
value3b = 43 * (nthroot(250, 4) + 23)^2/(exp(45-3^3));
disp(value3b);
disp(' ');

x = 13.5;

disp('problem 5a');
value5a = x^3 + 5*x^2 - 26.7*x - 52;
disp(value5a);
disp(' ');

disp('problem 5b');
value5b = (sqrt(14*x^3))/(exp(3*x));
disp(value5b);
disp(' ');

disp('problem 5c');
value5c = log10(abs(x^2-x^3));
disp(value5c);
disp(' ');

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problem 3a
    14.3174

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problem 3b
    4.7658e-04

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problem 5a
    2.9592e+03

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problem 5b
    4.7823e-16

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problem 5c
3.3576

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