HW2 Problem 5

```
fprintf('\n');
clearvars -except function_list hw_pub toolsPath
close all
CelestialConstants; % import useful constants

r = 8200; %km
vcirc = sqrt(Earth.mu/r);

fprintf('Satellite speed should be %.3f km/s\n', vcirc)
fprintf('Satellite FPA should be 0 degrees\n')
```

```
    Satellite speed should be 6.972 km/s
    Satellite FPA should be 0 degrees
```

Published with MATLAB® R2013b