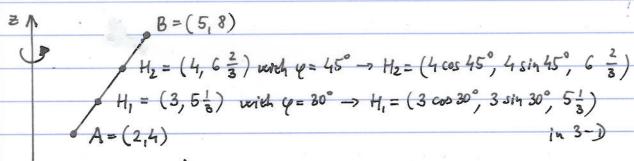
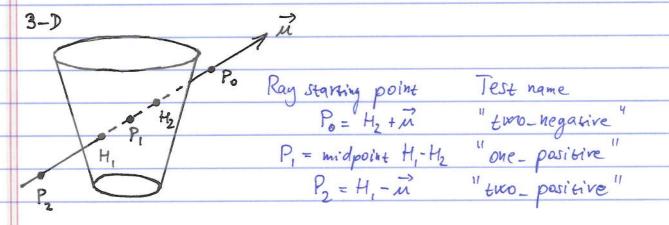
test-Cone.cpp, cone_intercepts.cpp

2-D RZ



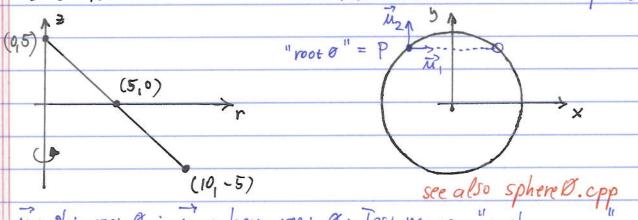
$$H_1 = (3\frac{\sqrt{3}}{2}, \frac{3}{2}, 5\frac{1}{3})$$
 and $H_2 = (\frac{4}{\sqrt{2}}, \frac{4}{\sqrt{2}}, 6\frac{2}{3})$

Ray direction vector $\vec{u} = H_2 - H_1$; vary starting point P to obtain the various intercepts H_1 , or H_2 or none.



cone0.cpp

2-D RZ Come intersection with the Z=0 plane:



ui: skip root &; uz: keep root &; Test names: "pythagorean"