

Step 2

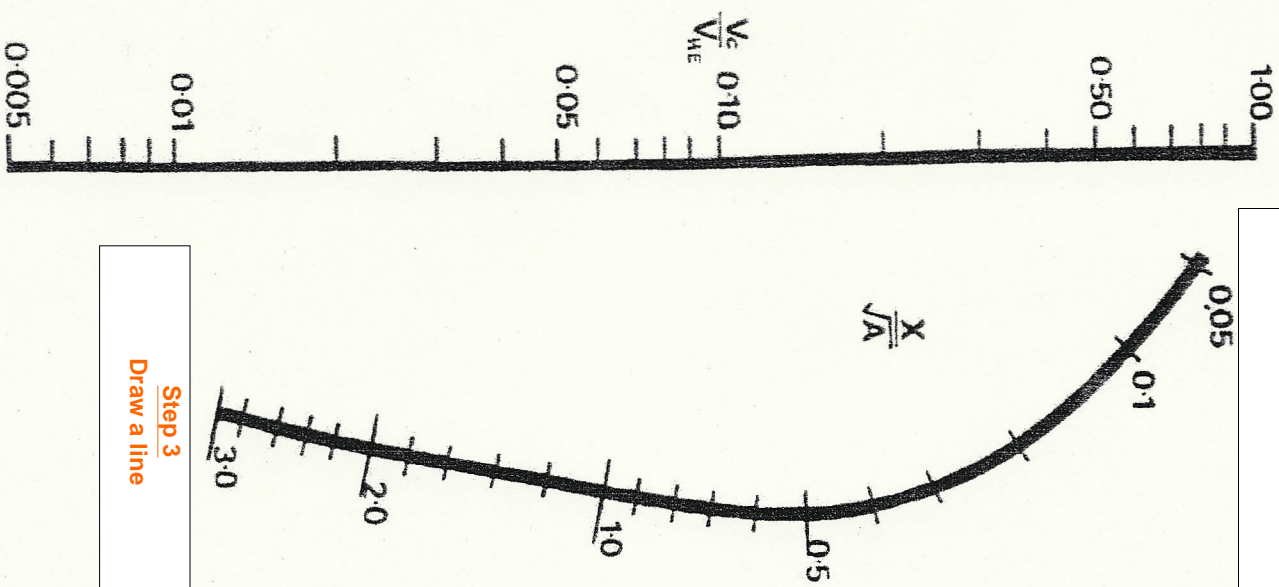
Calculate: $\frac{x}{A}$ = Distance the process is situated from the hood entrance.

$\frac{x}{A}$ = Area of the hood square rooted.

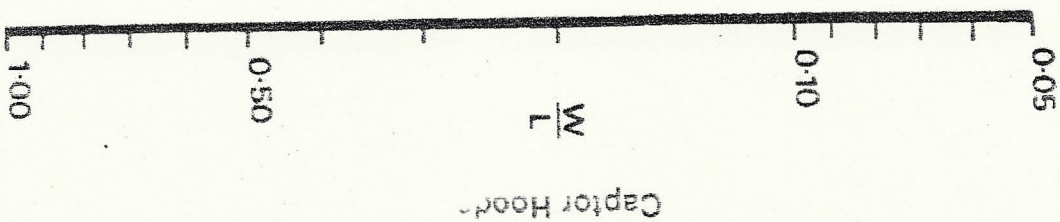
The answer is the next point on the middle graph.

Step 1

Find the aspect ratio



Step 3
Draw a line



Square & Circles
always 1

Step 4

Calculate the Hood Entry Velocity (VHE).

VC = Capture Velocity (Table 9 of Pg 33 in HSG 258)

so

VC divided by the point the line crosses on the left hand chart is the VHE in m/s

VHE = Hood Entry Velocity