

9

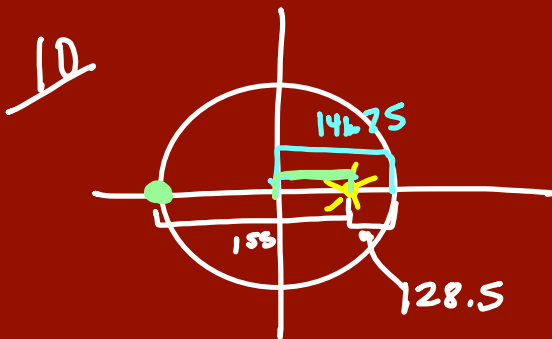
$$--- - \frac{5}{10} \cdot \frac{5}{10} \cdot \frac{5}{10}$$

24

Gain

Prob

damaged	Un damaged
$240 - 35$ $= 155$	$- 35$
$\frac{120}{1000}$	0.88



$$\begin{array}{r} 155 \\ + 128.5 \\ \hline 283.5 = 2a \\ 141.75 = a \end{array}$$

$$\begin{array}{r} 141.75 \\ - 128.5 \\ \hline 13.25 \end{array}$$

a = center to
long end

$$\text{eccentricity} = \frac{c}{a} = \frac{13.25}{141.75}$$

$$\frac{x^2}{141.75^2} + \frac{y^2}{b^2} = 1$$

$$\begin{aligned} c^2 &= a^2 - b^2 \\ b^2 &= a^2 - c^2 \end{aligned}$$

