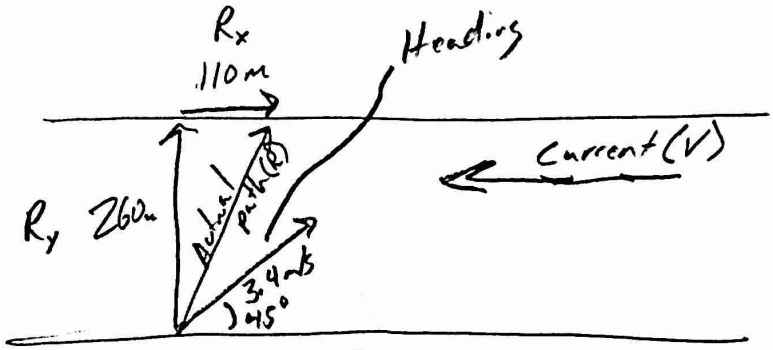

2 ways

	X	Y
Heading	$\frac{3.4}{\sqrt{2}}$	$\frac{3.4}{\sqrt{2}}$
+ Current (V)	V	0
Actual Path (R)	$\frac{3.4}{\sqrt{2}}+V$	$\frac{3.4}{\sqrt{2}}$

Sums of

$$\frac{R_x}{R_y} = \frac{110m}{260m} = \frac{\frac{3.4}{\sqrt{2}}+V}{\frac{3.4}{\sqrt{2}}}$$

$$V = -1.39 \text{ m/s}$$

	X	Y
Heading	$\frac{3.4}{\sqrt{2}}$	$\frac{3.4}{\sqrt{2}}$
+ (-) Current	V	0
(R) Actual Path	R_x	$\frac{260}{110}(R_x)$

add components

$$R_x = V + \frac{3.4}{\sqrt{2}}$$

$$R_x\left(\frac{260}{110}\right) = \frac{3.4}{\sqrt{2}}$$

Substitute

$$\left(V + \frac{3.4}{\sqrt{2}}\right)\left(\frac{260}{110}\right) = \frac{3.4}{\sqrt{2}}$$

$$V\left(\frac{260}{110}\right) = \frac{3.4}{\sqrt{2}}\left(1 - \frac{260}{110}\right)$$

$$V = -1.39 \text{ m/s}$$