



a) The North West

b) The signal reaches C first, so it is from north. It then reaches B, so it is closer to the west.

c) The shape would be a curve.

D is Pinger

d) length $DC = \sqrt{(0-x)^2 + (1-y)^2}$

$$\begin{array}{r} (2.63474 \times 10^{-4}) \\ \times 1481 \\ \hline \end{array}$$

$$0.390204444$$

$$(7.07023 \times 10^{-4})$$

$$\times 1481$$

$$1.047101003$$

$$\left\{ \begin{array}{l} DC + 0.390204444 = \sqrt{(0.5-x)^2 + (0-y)^2} \\ DC + 1.047101003 = \sqrt{(0.5-x)^2 + (0-y)^2} \end{array} \right.$$

$$\left\{ \begin{array}{l} DC + 0.390204444 = \sqrt{(0.5-x)^2 + (0-y)^2} \\ DC + 1.047101003 = \sqrt{(0.5-x)^2 + (0-y)^2} \end{array} \right.$$

$$x = -3.50348$$

$$y = 4.00356$$

e) I would enter my two equations and brute force to solve.