

- (a) Mark all of the points more than 3cm away from A but no more than 2cm away B.
- (b) Show the locus of point equidistant from B and A

.B

A .

Show the region that is closer to C than B and no more than 4km from B (Use the scale 1cm = 1km)

C.

B.

- (a) Treasure is buried due west of Island D and no more than 2miles from Island C Show below where the treasure could be. Use the scale 0.5mile = 1 cm.
- (b) Joe is 1 mile from the treasure. Show where he could be.

D.

C.

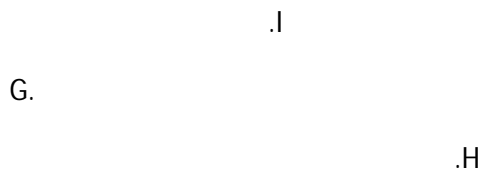
Treasure is buried no more than 4km from Island E and no more than 3km from of Island F. It is also due north west of P. Show to locus of points the treasure could be on using the scale 2cm = 1km.

F.

E.

P.

- (a) 3 polluting chimneys G, H and I are shown below. Show where Jim (J) can stand and avoid smoke IF chimney G has a range of 150m, H has a range of 200m and I has a range of 150m (use the scale 1cm = 50 m).
- (b) Bob claims he is at the point equidistant from I and G AND equidistant from I and H. Where should he be standing?



Shade all the points closer to L than M that are more than 6cm from M and more than 3cm from L.



Extension

Set up a locus problem to give to a friend involving an equidistant point and a range. Check that it works before you give it to them!