In Corn:

Long stem (A) is dominant While short stem (a) is recessive
Rounded seed (B) is dominant While wrinkled seed (b)is recessive
Smooth stem (C) is dominant While rough stem (c) is recessive

A heterozygous trihybrid plant with Long stem, Rounded seed and **Smooth stem was test crossed.**
The Results of F1 was:

410 Long stem, wrinkled seed and **Smooth stem**
410 short stem, Rounded seed and **rough stem**
50 Long stem, Rounded seed and **rough stem**
50 short stem, wrinkled seed and **Smooth stem**
40 Long stem, Rounded seed and **Smooth stem**
40 short stem, wrinkled seed and **rough stem**

Construct a chromosome map showing the relative position for these genes.

Using the previous diagram What are the predicted ratios for phenotypes result from self cross of heterozygous dihybrid corn plant having long smooth stem?

A heterozygous trihybrid plant with Long stem, Rounded seed and **Smooth stem was test crossed.**
The Results of F1 was:

225 Long stem, Rounded seed and **Smooth stem**
225 short stem, Rounded seed and **Smooth stem**
225 Long stem, wrinkled seed and **rough stem**
225 short stem, wrinkled seed and **rough stem**
25 Long stem, wrinkled seed and **Smooth stem**
25 short stem, wrinkled seed and **Smooth stem**
25 Long stem, Rounded seed and **rough stem**
25 short stem, Rounded seed and **rough stem**

Which of these genes are linked?.
If so, what is the distance between them?