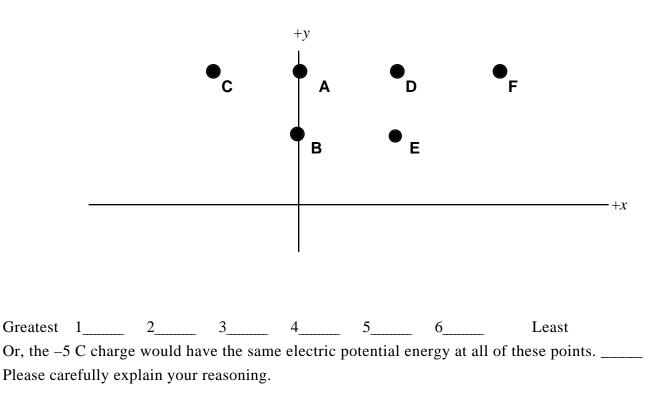
Uniform Electric Field—Potential Energy of a Negative Charge¹⁵⁵

We have a large region of space that has a uniform electric field in the +x direction (\Rightarrow). At the point (0,0) m, the electric field is 30 **i** N/C and the electric potential is 100 volts.

Rank the points specified below on the basis of the electric potential energy of a single negative charge of -5 C that may be placed at these points.

A: (0, 6) m **B**: (0, 3) m **C**: (-3, 6) m **D**: (3, 6) m **E**: (3,3) m **F**: (6, 6) m



How	sure were y	you of your a	ranking?	(circle one)				
Basic	ally Guess	ed	Sure			Very Sure			
1	2	3	4	5	6	7	8	9	10
¹⁵⁵ C	Hieggelke		-						
Ranking Task Exercises in Physics			166			Electricity and Magnetism			