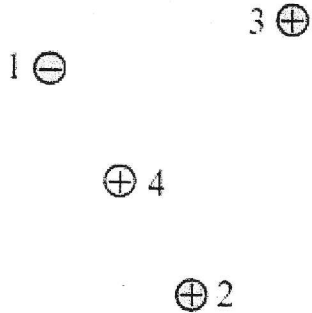


MCAS OPEN RESPONSE #7: ELECTROMAGNETISM

In the diagram below, shaded circles 1, 2, and 3 represent fixed charged objects, and circle 4 represents a charged object that is free to move. The magnitude of all the charges is equal.



- Describe how charged objects 1, 2, and 3 will **each** affect object 4.
- Compare the magnitude of the electric force between object 3 and object 4 with the magnitude of the electric force between object 2 and object 4.
- Draw a diagram to show where object 4 will most likely move in relation to fixed objects 1, 2, and 3. Explain your answer.