

Question 1

A point particle, named Zog, has charge $+16\text{ C}$ and is in the vicinity of another point charged particle. Consider the following statements:

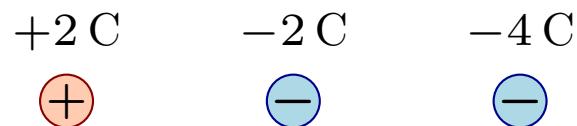
- A) Zog *definitely* exerts a force of 16 N but the force Zog feels could be of another size.
- B) Zog *definitely* feels a force of 16 N but the force Zog exerts could be of another size.
- C) Zog *definitely* exerts a force of 16 N and *definitely* feels a force of 16 N .

Which of the statements are true?

- 1. Only A.
- 2. Only B.
- 3. Only C.
- 4. None of them.

Question 2

Three charges are aligned as illustrated.



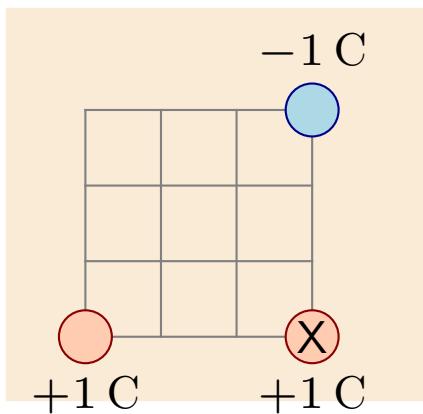
Which of the following gives the direction of the net force exerted on the charge at the right?

1. 
2. 
3. 
4. 
5. Zero net force.

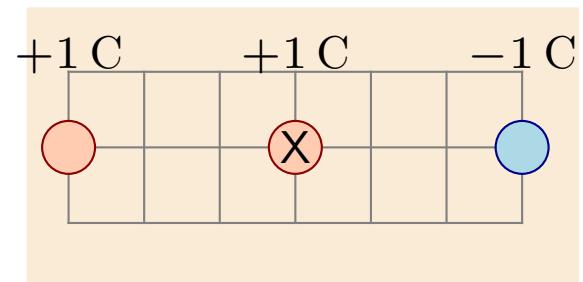
Question 3

In which of the following is the magnitude of the net electrostatic force exerted on X largest?

1.



2.



3.

