

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.

$+2\text{ C}$



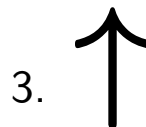
-2 C



-4 C



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

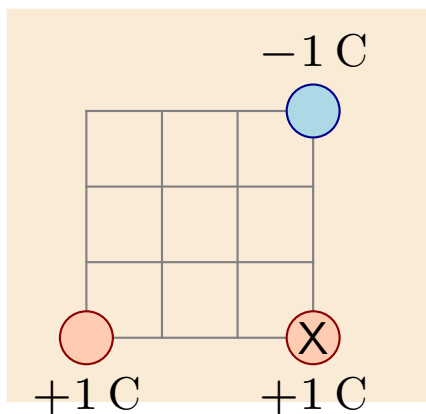


5. Zero net force.

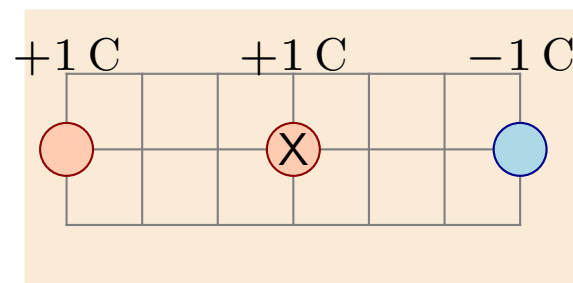
Question 3

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

1.



2.



3.

