Question 1

A plastic rod is rubbed and touched to a small metal ball. After this the rod is observed to repel the ball.

1. The force exerted by the rod on the ball is a contact force.
2. The force exerted by the rod on the ball is a gravitational force.
3. The force exerted by the rod on the ball is not a gravitational force since only Earth can exert gravitational forces.
4. The force exerted by the rod on the ball is not a gravitational force since . . . .

Question 2

Two negatively charge particles are held at rest near to each other. Particle A is held fixed, while particle B is released.

After particle B is released what happnes to it?

1. It begins to move right and then continues with a constant speed.
2. It moves right with an ever-increasing speed.
3. It begins to move right, speeds up for a while and then slows down.

Question 3

Congratulations! You now know how to navigate the course website. The image shows an iconic sight of a well-known city.

In what city was this image taken?