Volume of Cube and Cuboid

Read the statements and write true or false.
Justify your answers if the statement is false.

There is only 1 way to make a cuboid with a volume of 36 cu. cm.

There is only 1 way to make a cube with a volume of 64 cu. cm.

A cuboid with dimensions 2 cm, 3 cm, and 6 cm has the same volume as a cube with sides of 6 cm.

If you double the length, width, and height of a cuboid, its volume increases by a factor of 8.

A cube with a side length of 5 cm has a volume of 150 cu. cm.

The volume of a cuboid with a length of 4 cm, width of 5 cm, and height of 6 cm is greater than the volume of a cube with sides of 5 cm.