

NCERT SOLUTIONS FOR CLASS 6 MATHS PRACTICAL GEOMETRY EXERCISE 14.3

Exercise 14.3	
stion 1:	
v any line segment \overline{PQ} . Without measuring \overline{PQ} , construct a copy of \overline{PQ} .	
ver:	
following steps will be followed to draw the given line segment $\overline{^{PQ}}$ and	to construct
py of PQ.	
et PQ be the given line segment.	
b	
Adjust the compasses up to the length of \overline{PQ} .	
i	
Draw any line / and mark a point A on it.	
	
out the pointer on point A, and without changing the setting of compass	ses, draw an
o cut the line segment at point B.	
B	
s the required line segment.	
stion 2:	
some line segment \overline{AB} , whose length you do not know, construct	PQ such that
ength of $^{ ext{PQ}}$ is twice that of $\overline{ ext{AB}}$.	
er:	
following steps will be followed to construct a line segment \overline{PQ} such to	that the length
Q is twice that of \overline{AB} .	
et $\overline{\mathrm{AB}}$ be the given line segment.	
B	
fjust the compasses up to the length of \overline{AB} .	
1	
В	
raw any line / and mark a point P on it.	
7	
at the pointer on P and without changing the setting of compasses, d	lraw an arc to
e line segment at point X.	
) _X ,	
ow, put the pointer on point X and again draw an arc with the sa	me radius as

before, to cut the line / at point Q.