Supplementary Angles

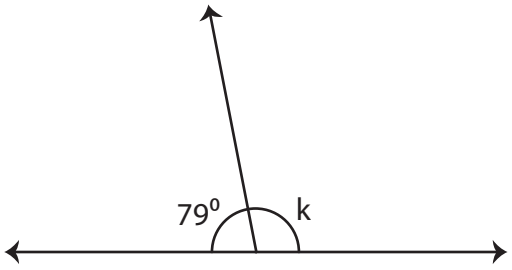
Name _____

Score _____

CS:10

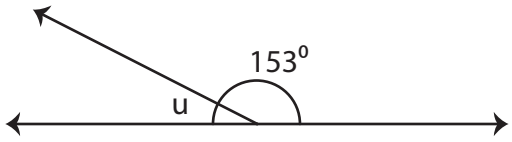
Find the unknown angle.

1)



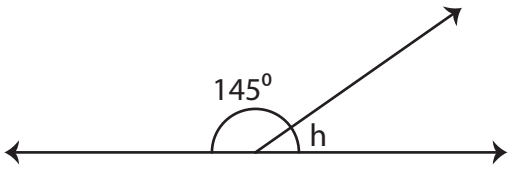
m∠k = _____

2)



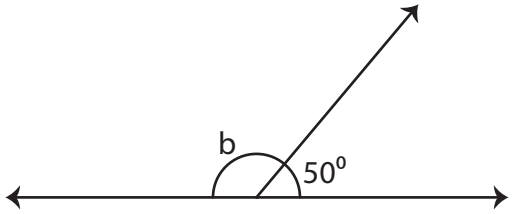
m∠u = _____

3)



m∠h = _____

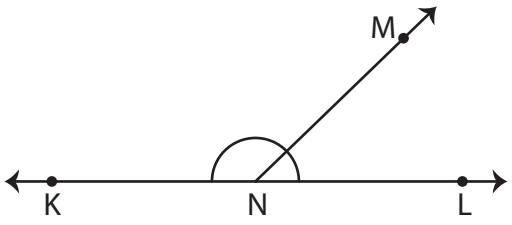
4)



m∠b = _____

Find the value of x.

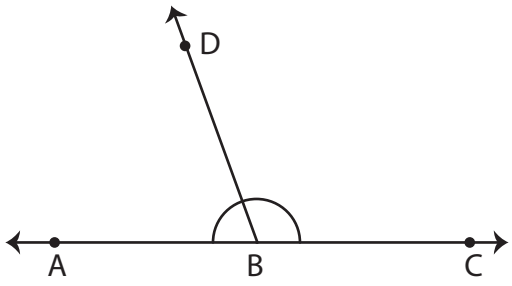
1)



m∠KNM = 136° ; m∠MNL = (x + 4)°

x = _____

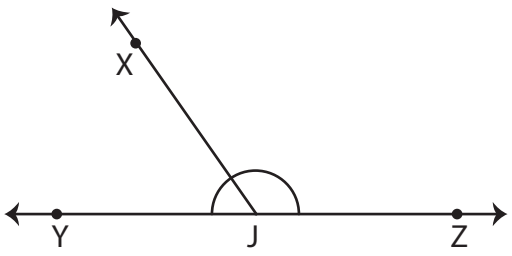
2)



m∠DBC = (x + 1)° ; m∠ABD = 70°

x = _____

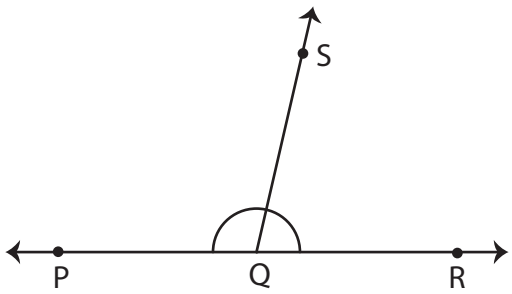
3)



m∠XJY = (x – 10)° ; m∠XJZ = (2x – 5)°

x = _____

4)



m∠SQR = (7x)° ; m∠PQS = (9x + 4)°

x = _____

Supplementary Angles

Name _____

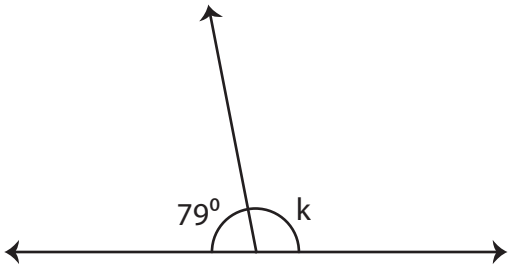
Score _____

Answer key

CS:10

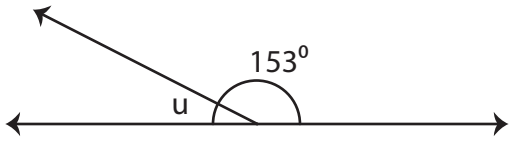
Find the unknown angle.

1)



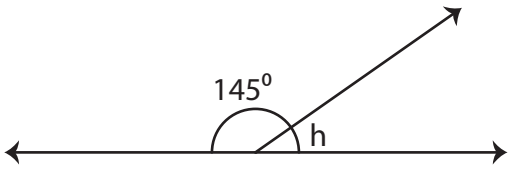
m∠k = **101°**

2)



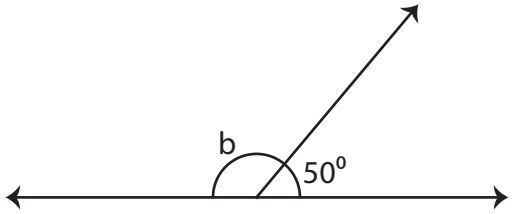
m∠u = **27°**

3)



m∠h = **35°**

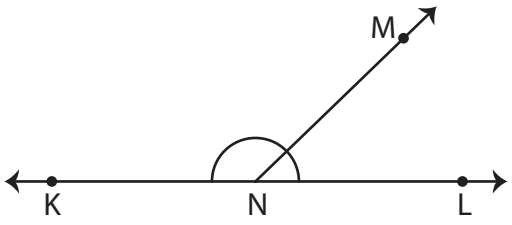
4)



m∠b = **130°**

Find the value of x.

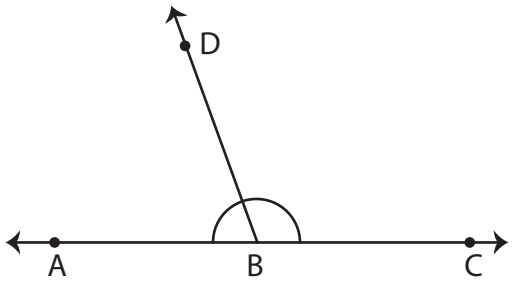
1)



m∠KNM = 136° ; m∠MNL = (x + 4)°

x = **40**

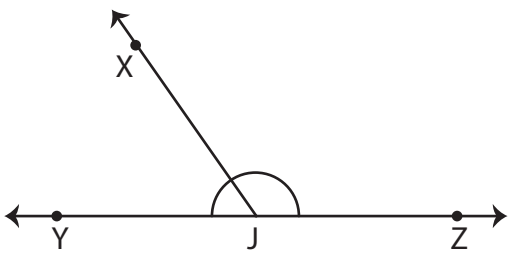
2)



m∠DBC = (x + 1)° ; m∠ABD = 70°

x = **109**

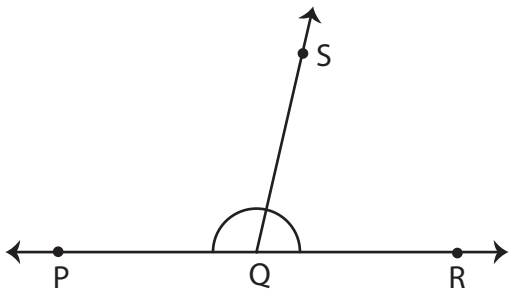
3)



m∠XJY = (x – 10)° ; m∠XJZ = (2x – 5)°

x = **65**

4)



m∠SQR = (7x)° ; m∠PQS = (9x + 4)°

x = **11**