Supplementary Angles

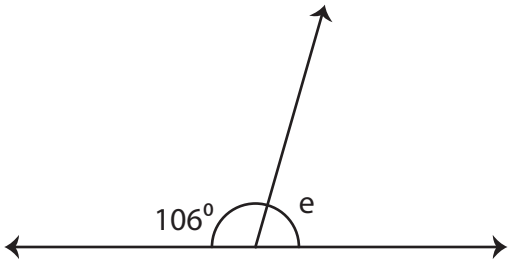
Name _____

Score _____

CS:12

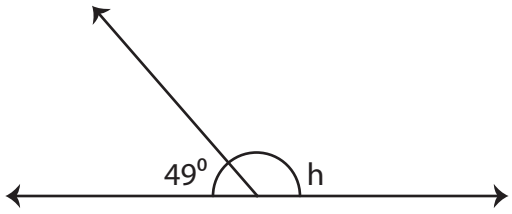
Find the unknown angle.

1)



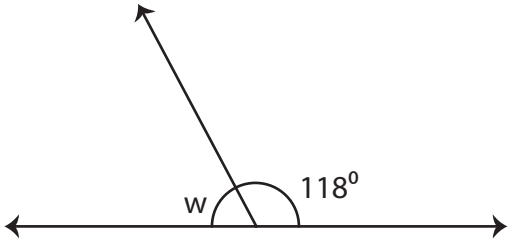
m∠e = _____

2)



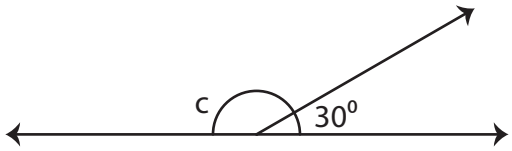
m∠h = _____

3)



m∠w = _____

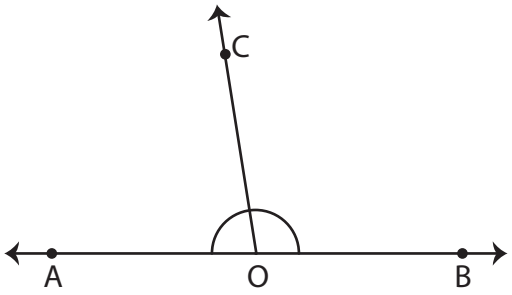
4)



m∠c = _____

Find the value of x.

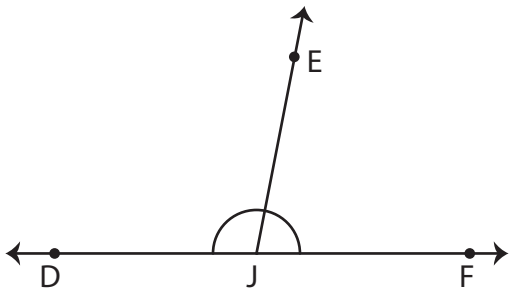
1)



m∠AOC = $(2x + 15)^0$; m∠BOC = $(3x)^0$

x = _____

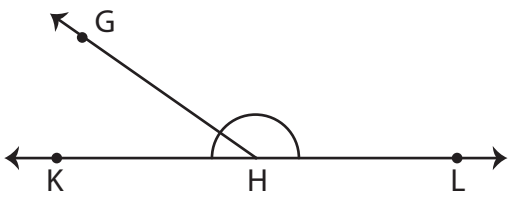
2)



m∠DJE = $(x - 1)^0$; m∠EJF = $(x - 23)^0$

x = _____

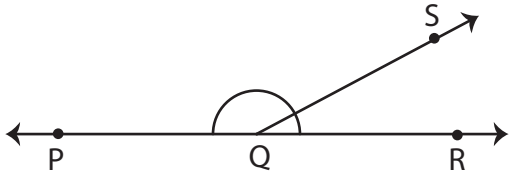
3)



m∠GHL = 145^0 ; m∠KHG = $(5x)^0$

x = _____

4)



m∠PQS = $(x + 5)^0$; m∠SQR = 28^0

x = _____

Supplementary Angles

Name _____

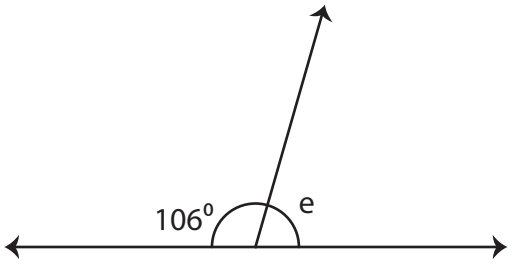
Score _____

Answer key

CS:12

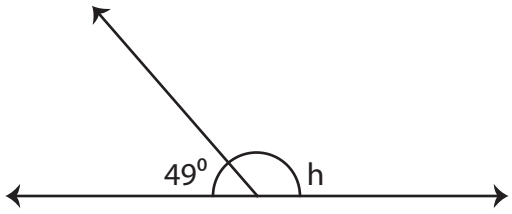
Find the unknown angle.

1)



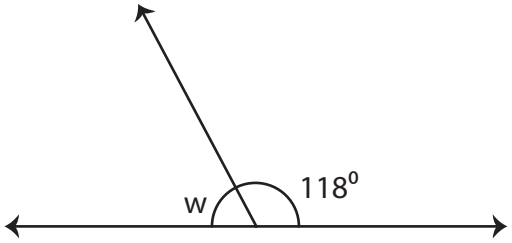
m∠e = **74°**

2)



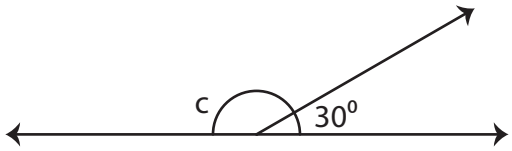
m∠h = **131°**

3)



m∠w = **62°**

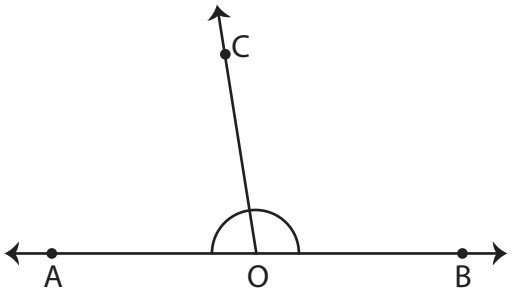
4)



m∠c = **150°**

Find the value of x.

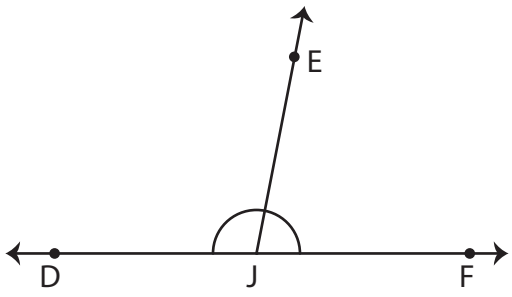
1)



m∠AOC = $(2x + 15)^0$; m∠BOC = $(3x)^0$

x = **33**

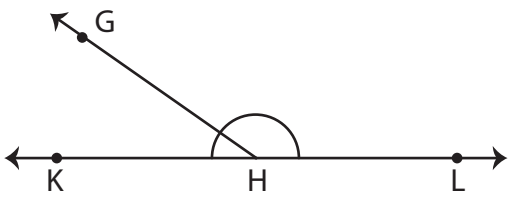
2)



m∠DJE = $(x - 1)^0$; m∠EJF = $(x - 23)^0$

x = **102**

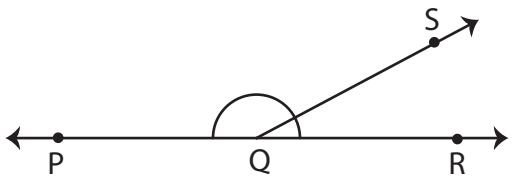
3)



m∠GHL = 145^0 ; m∠KHG = $(5x)^0$

x = **7**

4)



m∠PQS = $(x + 5)^0$; m∠SQR = 28^0

x = **147**