# Angles on a Straight Line

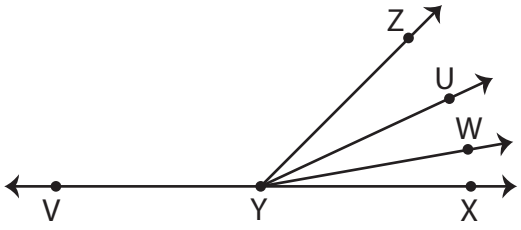
Name _____

Score _____

PA:06

Find the value of x.

1)

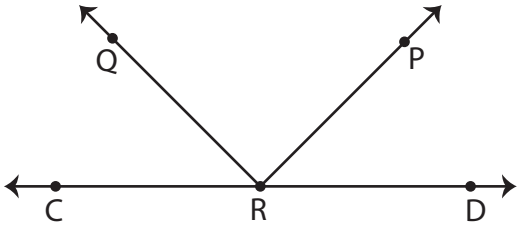



$m\angle UYZ = 20^0$ $m\angle WYU = 15^0$

$m\angle XYW = 10^0$ $m\angle VYZ = (x + 2)^0$

x =

2)

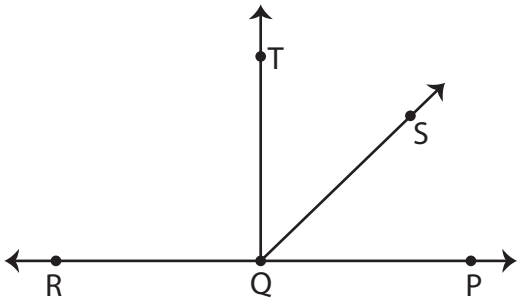



$m\angle QRP = 90^0$ $m\angle CRQ = 45^0$

$m\angle PRD = (2x - 1)^0$

x =

3)

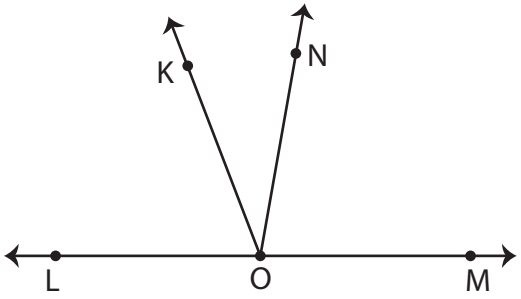



$m\angle PQS = (x - 56)^0$ $m\angle RQT = 90^0$

$m\angle SQT = 46^0$

x =

4)

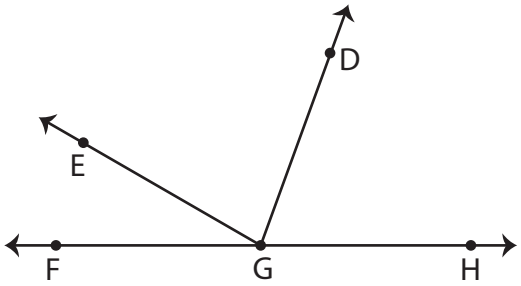



$m\angle MON = 80^0$ $m\angle LOK = 69^0$

$m\angle KON = (6x + 1)^0$

x =

5)

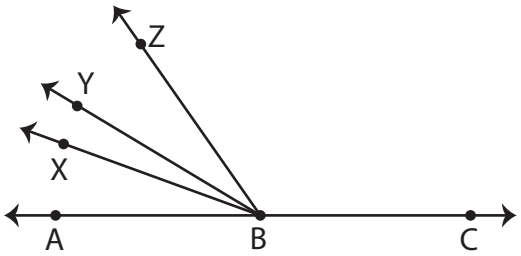



$m\angle DGE = 80^0$ $m\angle EGF = 2x^0$

$m\angle HGD = 70^0$

x =

6)




$m\angle CBZ = (x - 4)^0$ $m\angle ZBY = 24^0$

$m\angle XBY = 11^0$ $m\angle ABX = 20^0$

x =

# Angles on a Straight Line

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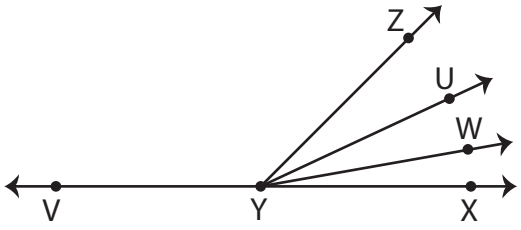
Score _____

## Answer key

PA:06

Find the value of x.

1)

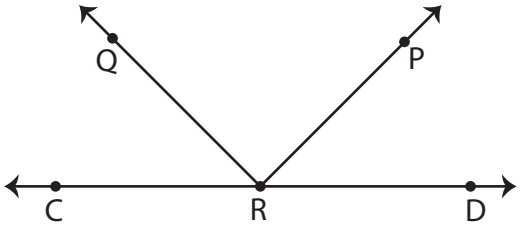



$m\angle UYZ = 20^0$ $m\angle WYU = 15^0$

$m\angle XYW = 10^0$ $m\angle VYZ = (x + 2)^0$

x = 133

2)

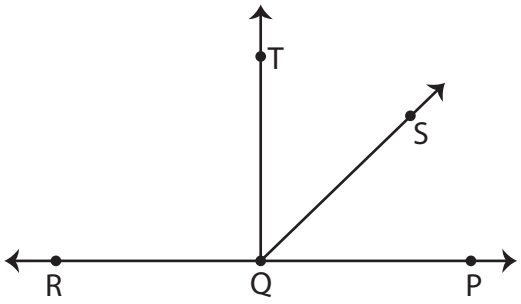



$m\angle QRP = 90^0$ $m\angle CRQ = 45^0$

$m\angle PRD = (2x - 1)^0$

x = 23

3)

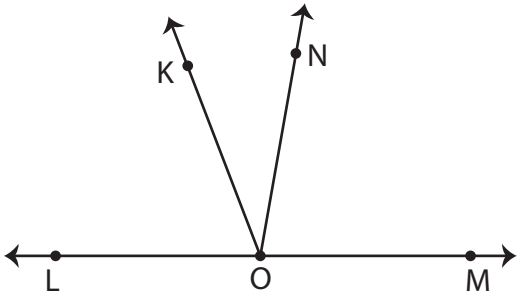



$m\angle PQS = (x - 56)^0$ $m\angle RQT = 90^0$

$m\angle SQT = 46^0$

x = 100

4)

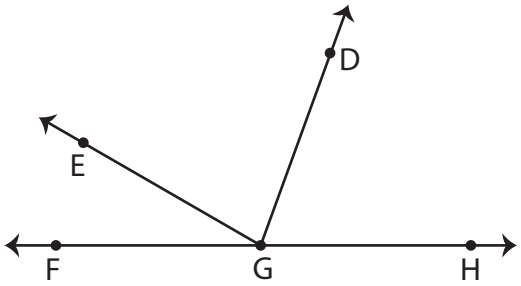



$m\angle MON = 80^0$ $m\angle LOK = 69^0$

$m\angle KON = (6x + 1)^0$

x = 5

5)

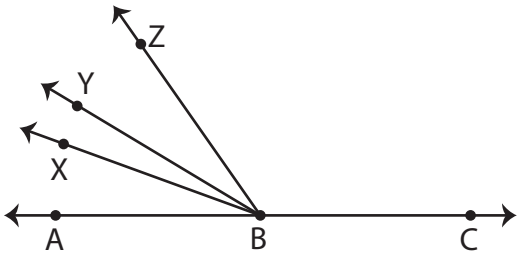



$m\angle DGE = 80^0$ $m\angle EGF = 2x^0$

$m\angle HGD = 70^0$

x = 15

6)




$m\angle CBZ = (x - 4)^0$ $m\angle ZBY = 24^0$

$m\angle XBY = 11^0$ $m\angle ABX = 20^0$

x = 129