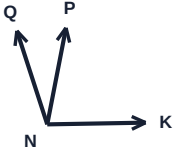


Angle Addition

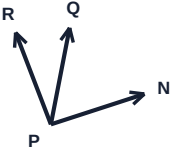
Use angle addition to find the missing angle measure.

1.



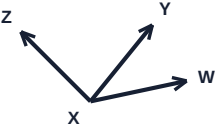
Angle KNP = 78 deg
Angle PNQ = 29 deg
Angle KNQ = _____

2.



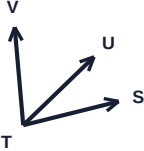
Angle NPQ = 61 deg
Angle QPR = _____
Angle NPR = 93 deg

3.



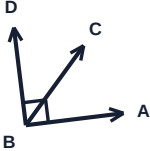
Angle WXY = 39 deg
Angle YXZ = _____
Angle WXZ = 123 deg

4.



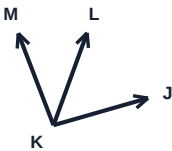
Angle STU = 30 deg
Angle UTV = _____
Angle STV = 81 deg

5.



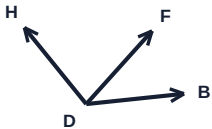
Angle ABC = _____
Angle CBD = 43 deg
Angle ABD = 90 deg

6.



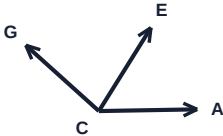
Angle JKL = _____
Angle LKM = 41 deg
Angle JKM = 95 deg

7.



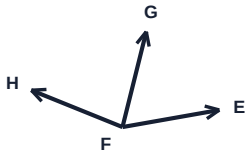
Angle BDF = 42 deg
Angle FDH = 81 deg
Angle BDH = _____

8.



Angle ACE = 57 deg
Angle ECG = 80 deg
Angle ACG = _____

9.

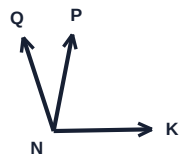


Angle EFG = _____
Angle GFH = 82 deg
Angle EFH = 148 deg

Angle Addition
Worked Answer Key

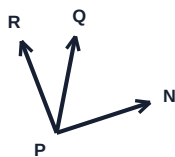
Use angle addition to find the missing angle measure.

1. Find Angle KNQ.



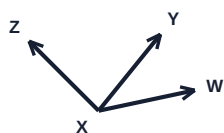
Angle KNP =	78 deg	Angle KNP + Angle PNQ = Angle KNQ.
Angle PNQ =	29 deg	78 deg + 29 deg = 107 deg.
Angle KNQ =	107 deg	Angle KNQ = 107 deg.

2. Find Angle QPR.



Angle NPQ =	61 deg	Angle NPQ + Angle QPR = Angle NPR.
Angle QPR =	32 deg	93 deg - 61 deg = 32 deg.
Angle NPR =	93 deg	Angle QPR = 32 deg.

3. Find Angle YXZ.



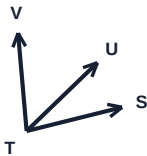
Angle WXY =	39 deg	Angle WXY + Angle YXZ = Angle WXZ.
Angle YXZ =	84 deg	123 deg - 39 deg = 84 deg.
Angle WXZ =	123 deg	Angle YXZ = 84 deg.

Angle Addition

Worked Answer Key

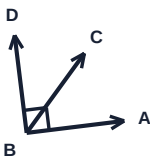
Use angle addition to find the missing angle measure.

4. Find Angle UTV.



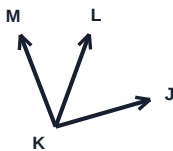
Angle STU =	30 deg	Angle STU + Angle UTV = Angle STV.
Angle UTV =	51 deg	81 deg - 30 deg = 51 deg.
Angle STV =	81 deg	Angle UTV = 51 deg.

5. Find Angle ABC.



Angle ABC =	47 deg	Angle ABC + Angle CBD = Angle ABD.
Angle CBD =	43 deg	90 deg - 43 deg = 47 deg.
Angle ABD =	90 deg	Angle ABC = 47 deg.

6. Find Angle JKL.

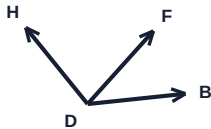


Angle JKL =	54 deg	Angle JKL + Angle LKM = Angle JKM.
Angle LKM =	41 deg	95 deg - 41 deg = 54 deg.
Angle JKM =	95 deg	Angle JKL = 54 deg.

Angle Addition
Worked Answer Key

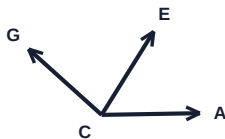
Use angle addition to find the missing angle measure.

7. Find Angle BDH.



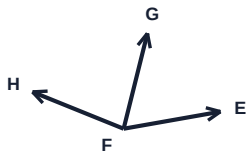
Angle BDF =	42 deg	Angle BDF + Angle FDH = Angle BDH.
Angle FDH =	81 deg	42 deg + 81 deg = 123 deg.
Angle BDH =	123 deg	Angle BDH = 123 deg.

8. Find Angle ACG.



Angle ACE =	57 deg	Angle ACE + Angle ECG = Angle ACG.
Angle ECG =	80 deg	57 deg + 80 deg = 137 deg.
Angle ACG =	137 deg	Angle ACG = 137 deg.

9. Find Angle EFG.



Angle EFG =	66 deg	Angle EFG + Angle GFH = Angle EFH.
Angle GFH =	82 deg	148 deg - 82 deg = 66 deg.
Angle EFH =	148 deg	Angle EFG = 66 deg.