

HOMEWORK - 2/11/21

Ex 13.A

ODM HOLIDAY HOMEWORK

1. i) $70^\circ + 20^\circ + 90^\circ = 180^\circ$

They are supplementary

ii) $40^\circ + 130^\circ + 20^\circ = 180^\circ$

They are supplementary

iii) $60^\circ + 60^\circ + 50^\circ = 170^\circ$

They are not supplementary

iv) $125^\circ + 40^\circ + 15^\circ = 180^\circ$

They are supplementary

2) \triangleright let the angles be x

$= x + x + x = 180^\circ$

(By angle sum property)

$= 3x = 180^\circ$

$= x = 60^\circ$

3) $\angle A + \angle B + \angle C = 180^\circ$

(By angle sum property)

$\Rightarrow 45^\circ + 75^\circ + \angle C = 180^\circ$

$120^\circ + \angle C = 180^\circ$

$\angle C = 180^\circ - 120^\circ$

$\angle C = 60^\circ$