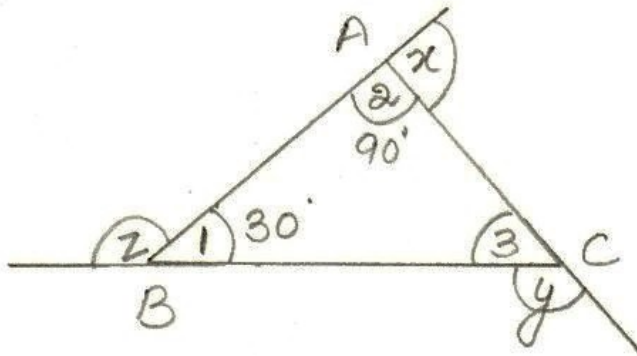


## VIII - Ch 1 Rational Numbers Ex 3.1

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⑦



$$\angle 1 + z = 180^\circ \text{ (linear pair)}$$

$$30 + z = 180^\circ$$

$$\Rightarrow z = 180 - 30 \\ = 150$$

$$\angle 2 + x = 180^\circ \text{ (do)}$$

$$90 + x = 180^\circ$$

$$\Rightarrow x = 180 - 90 \\ = 90^\circ$$

$$y = \angle 1 + \angle 2 \text{ (exterior angle prop. of } \triangle \text{)}$$

$$= 30 + 90$$

$$= 120^\circ$$

$$x + y + z = 150 + 90 + 120 \\ = 360^\circ$$

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