

1) Hypotenuse of a right triangle is 17 cm long. If one of the remain two sides is 8 cm then the length of other side is ?

2) In triangle ABC and PQR, $\angle B = 90^\circ$, $AC = 8$, $AB = 3$ cm, $\angle P = 90^\circ$, $PR = 3$, $QR = 8$ cm. Then by which congruence the two triangle is congruent?

3) A school team won 6 games this year against 4 game won last year. What is the percentage increase?

4) The number of illiterate persons in a country decreased from 150 lakhs to 100 lakhs in 10 years. What is the percentage of decrease?

5) Find the angle which is complement to itself?

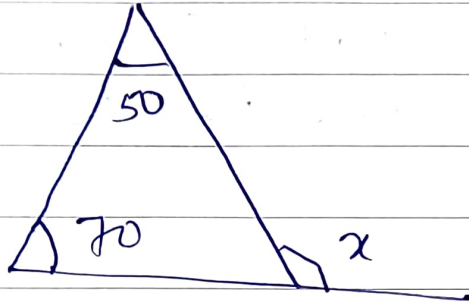
6) The mean of first seven natural number is ?

7) $(-6) \div (-3)$ gives ?

8) Evaluate $(-31) \div [(-30) + (-1)]$

9) Express 7 rupees 7 paise as rupee using decimals.

10.

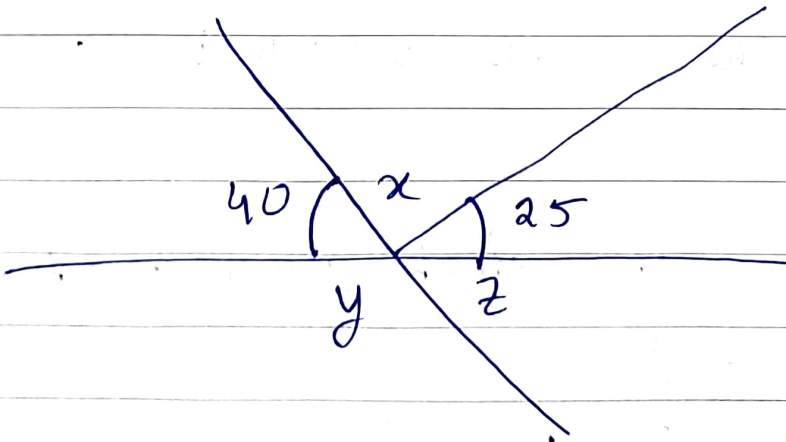


Find $x = ?$

11. Find ratio of 9m to 27cm.

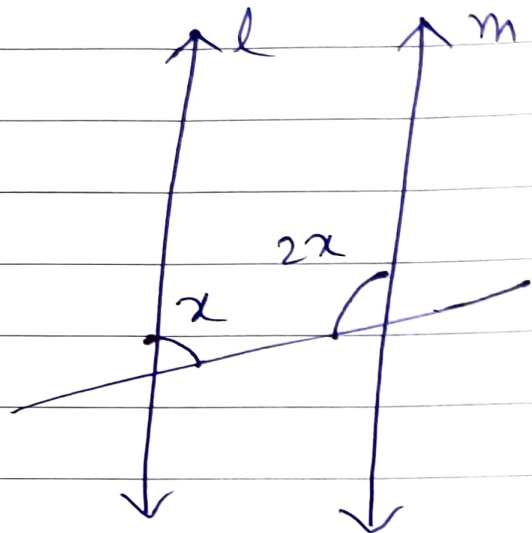
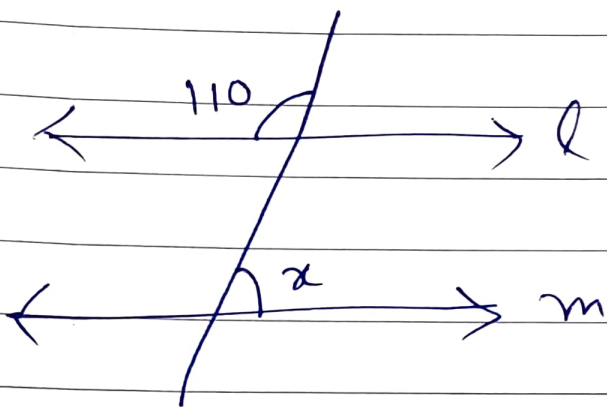
12. The temp at 12 noon was 10°C above zero. If it decreases at the rate of 2°C per hour untill midnight at what time would the temp. be 8°C below zero? What is temp at mid night?

13.

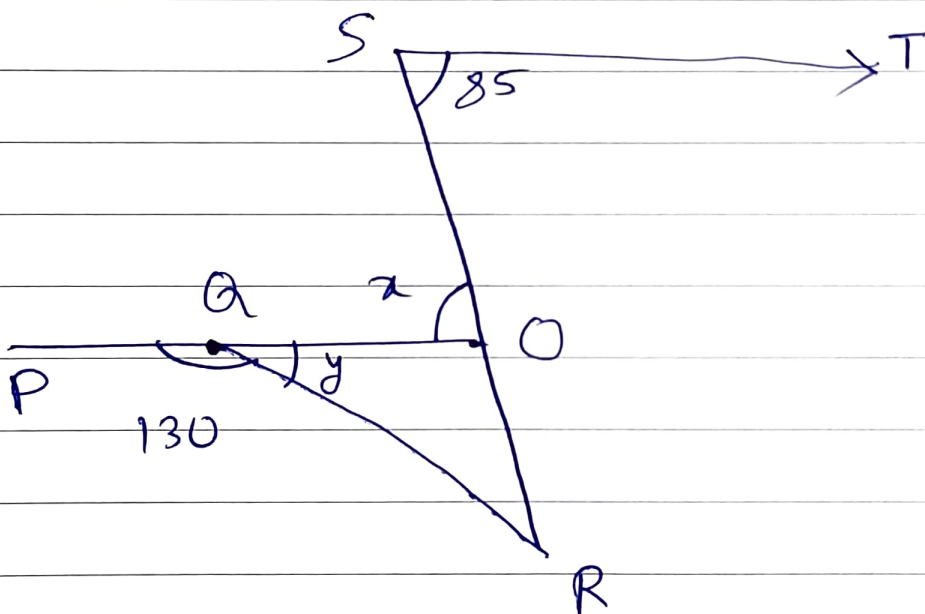


Find x, y, z .

14. $l \parallel m$ find x in each case



15.



$PQ \parallel ST$ find $x + y$.

15. The foot of a ladder is 6m away from its wall and its top reaches a window 8m above the ground a) Find length of ladder b) If the ladder is shifted in such a way that its foot is 8m away from wall, to what height does its top reach?