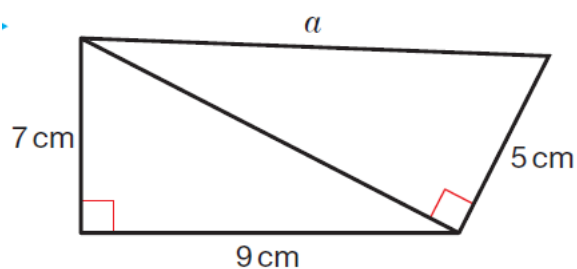


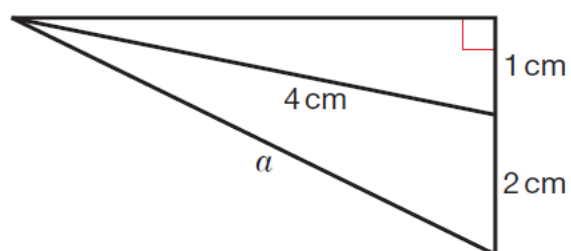
Sprint€	MATHSGYM	WS/Ch15/CNS/01/V1
	Worksheet	1 st Feb 2022
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Find length “a” in these right-angled triangles

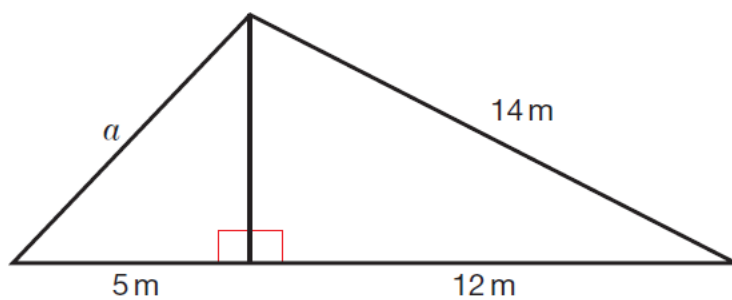
Q1.



Q2.

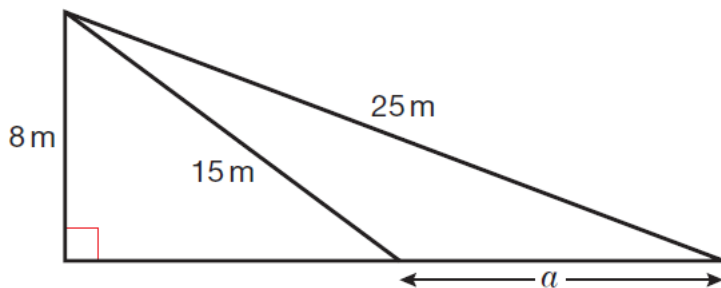


Q3.



Sprint€	MATHSGYM	WS/Ch15/CNS/01/V1
	Worksheet	1 st Feb 2022
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Q4.

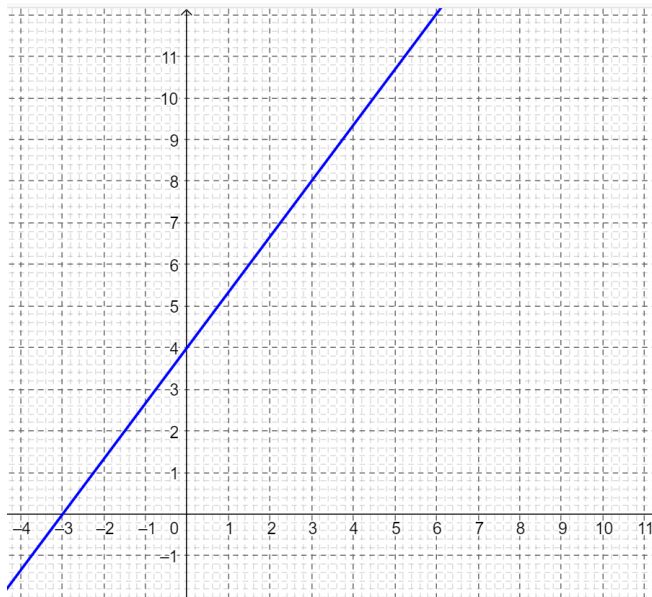


Q5. A ladder is resting against a vertical wall. Its base is 1.5 m away from the base of the wall. When Ronny steps on the ladder, it falls down the wall 0.25 m and its base is now 2 m away from the wall. Find the length of the ladder.

- a) 0.4 (b) - 0.4 (c) 0.2 (d) -0.2

Q6. Value of y intercept in the below given graph is

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- a) - 3 (b) 3 (c) 4 (d) - 4

Q7. Equation of the line in above graph given in Q 2, is

- (a) $y = \frac{3}{4}x + 4$ (b) $y = \frac{4}{3}x + 4$ (c) $y = \frac{4}{3}x - 3$ (d) $y = \frac{4}{3}x + 3$

Q8. A car seats 6 people and a van seats 15 people. 90 people travel by car or van every morning to go to office. Each car “c” and van “v” is full.

Choose the option correctly describing the situation given.

- (a) $2c + 5v = 30$ (b) $2c + 5v = 90$ (c) $c + v = 15$ (d) $c + v = 6$