Questions of Time and Distance

Q1. A man cycles from city A to city B at 18 km/hr and returns back from B to A at 12 km/hr. Find his average speed over the whole journey. (HINT - Average speed = Total Distance / Total Time)

Q2. John is faster than Peter. John and Peter each walk 24 km. Sum of the speeds of John and Peter is 7 km/h. Sum of time taken by them is 14 hours. Find John's speed.

a) 4 km/h
b) 5 km/h
c) 3 km/h
d) 7 km/h

Q3. A student walks from hi shouse at 2.5 km/hr and reaches his school late by 6 minutes. Next day he increases his speed by 1 km/hr and reaches 6 minutes before school time. How far is the school from his house?

Q4. One day, Ramesh started 30 minutes late from home and, driving at 25% slower than the usual speed, reached the market 50 minutes late. How much time in minutes does Ramesh usually take to reach the market from home?

a) 20
b) 40
c) 60
d) 80

Q5. A thief is spotted by a policeman from a distance of 100m. When the policeman starts the chase, the thief also starts running. If the speed of the thief was 8 km/hr and that of the policeman 10 km/hr, how far would the thief have run before he was overtaken?

Answers-

Ans1) 14.4 km/hr
Ans2) 4km/hr
Ans3) 1.75 km
Ans4) 60
Ans5) 400m