



Use a ruler and compasses to construct the perpendicular from the line segment AB to the point C.



Expand and simplify

$$(x + 3)^2 + (x - 1)^2$$

The probability that a train arrives late is 0.3  
Arlo is travelling by train on Saturday and Sunday.

Show this information on a probability tree diagram.

Calculate the probability the train is on time both days.

Calculate the probability the train is late on exactly one day.