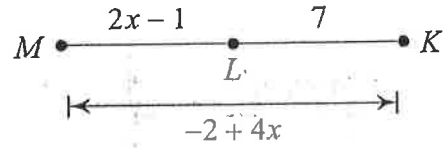


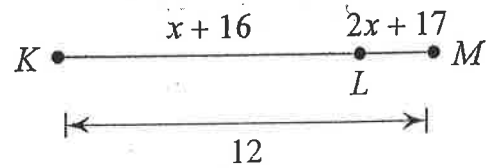
Geometric Proofs

1. Given: $LM = 2x - 1$, $LK = 7$ and $MK = 4x - 2$
 Prove: $x = 4$



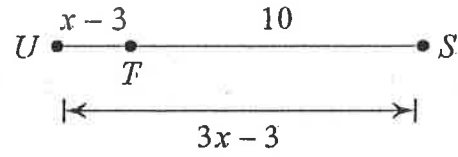
Statements	Reasons
1. $LM = 2x - 1$, $LK = 7$ and $MK = 4x - 2$	1. Given

2. Given: $KL = x + 16$, $LM = 2x + 17$ and $KM = 12$
 Prove: $x = -7$



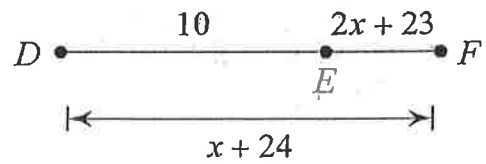
Statements	Reasons

3. Given: $UT = x - 3$, $TS = 10$ and $US = 3x - 3$
 Prove: $x = 5$



Statements	Reasons

4. Given: $DE = 10$, $EF = 2x + 23$ and $DF = x + 24$
 Prove: $x = 15$



Statements	Reasons