5.

aA = 4m/s²

uA = 0

t=5s

VA=u+at

= 0+4\*5

VA= 20m/s

SA = ut+1/2at²

=0\*5+1/2\*4\*5²= 50m

aB = 6m/s²

VB=30m/s

SB=75m

SB/A=SB-SA

=75-50=25m

VB/A= 30-20=10m/s

7.

Figure:



8.

Figure:

