March 22, 2011

8 days and counting!

Today's Agenda ~
MCA ??'s
Homework
Finish 8.2.3

Homework: p. 407 (21-25)

Class starts in

00:00 00 ▶

Please be ready.

MCA ??'s

We've done 2, 7.

⑤

# of book	Frequency	
0	I I	2
1	� tally (5)	5
2	I I I I	4
3	I I I	3
4		0
5	I	1

⑨

Retirement Ages of Detectives

Frequency (y-axis: 0 1 2 3 4 5 6 7 8)

Age (x-axis: 50-52, 53-55, 56-58, 59-61, 62-64, 65-67)
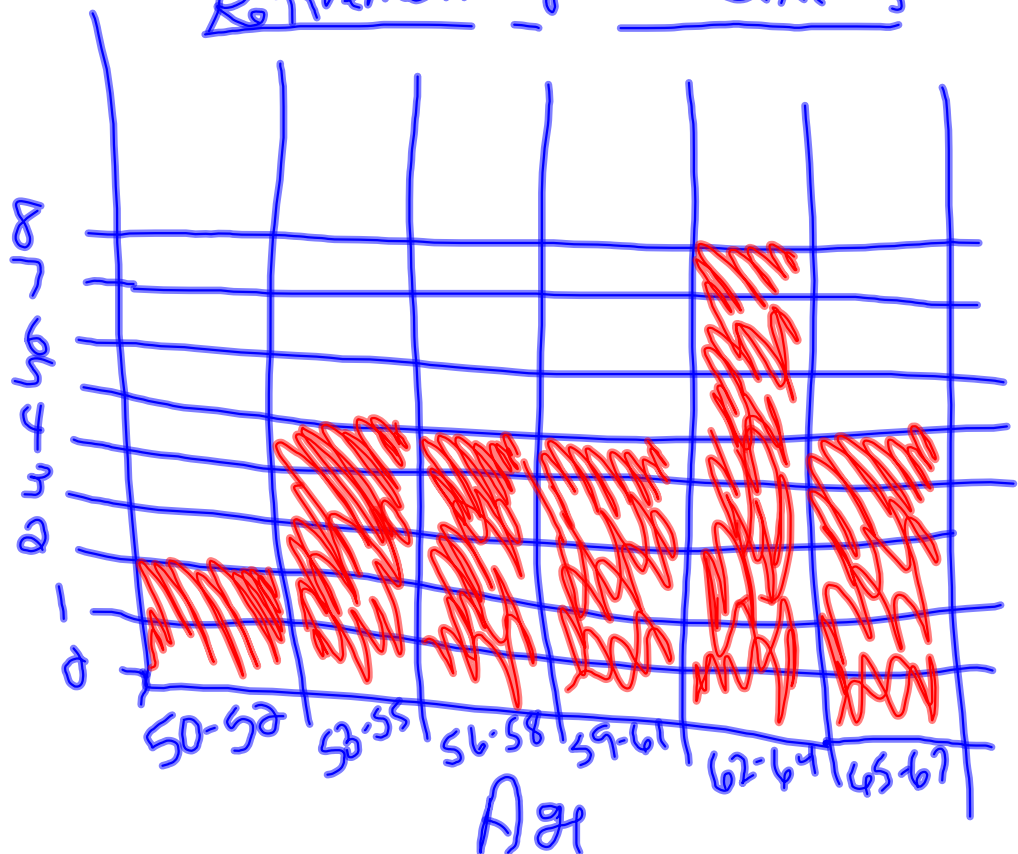
4a)

Marathon Results

Time (hours), t	0	1	2	3	4
Nadia's Distance from Finish, N	26.2	21	15.8	10.6	5.4
Helenas Distance from Finish, H	26.2	22.1	18	13.9	9.8
Bryson's Distance from Finish, B	26.2	21.35	16.5	11.65	6.8
Mark's Distance from Finish, M	26.2	22.4	18.6	14.8	11

4b)

Marathon Results

Distance in miles
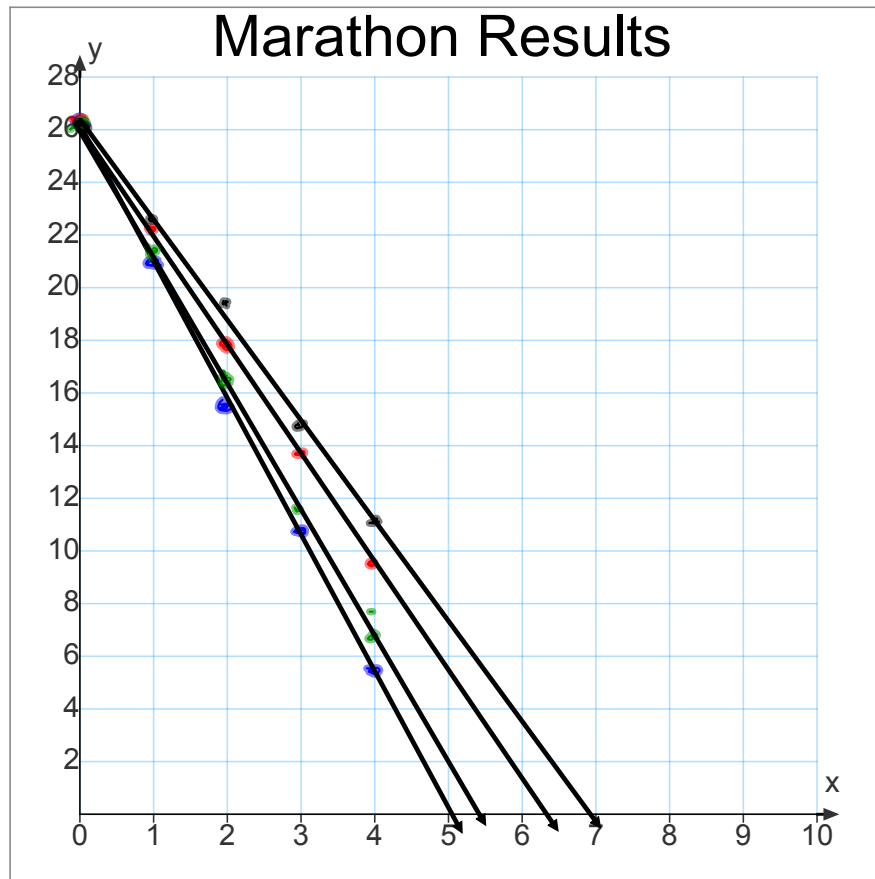
Time in hours

c) Similar → all downhill, all linear
diff → different slopes

Slopes

Nadia = -5.2   Bryson = -4.85
                      Mark = -3.8
Helena = -4.1

d) Time to finish?

Nadia = about 5 hours   Bryson = about 5 ½ hrs

Helena = about 6 hours   Mark = about 7 hours

e) Equations

Nadia → N=26.2-5.2h

Helena → H=26.2-4.1h

Bryson → B=26.2-4.85h

Mark → M=26.2-3.8h

Cars on the Highway
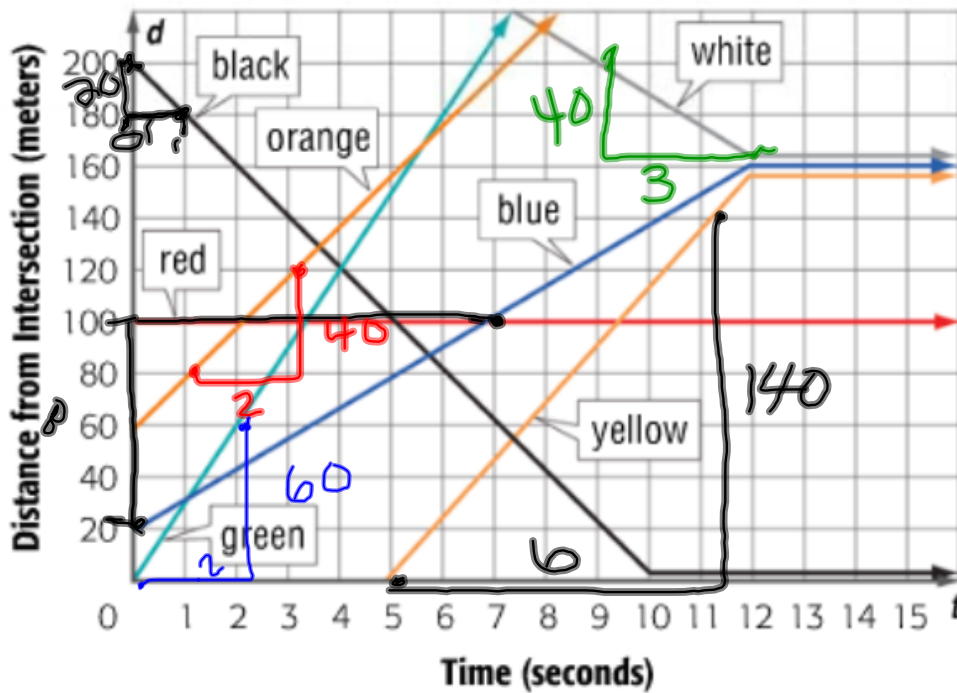
1. In what direction is each car moving in relation to the intersection?

black toward, stopped

orange away

blue away, stopped

green away

white twrds then stops

red Parced

yellow away then stop

2. Compare the cars' speeds.

black $\frac{-20}{1} = -20$ mps/ 0mps

orange $\frac{40}{2} = 20$ MPS

blue $\frac{80}{7} = 11.42$ mps, 0mps

green $\frac{60}{2} = 30$ MPS

white $\frac{-40}{3} = 13.\overline{3}$

red 0 MPS

yellow $\frac{140}{6} = 23.\overline{3}$

3. Do any of the cars stop during their trips? If so, which cars?