Which DJ?

The year 8 social committee decides to hire a DJ for their end-of-year social.
They are quoted three different prices:

DYNAMIC DAVE
$40 set-up fee
$35 per hour
for first 3 hours
then $50 per hour

Electric Eric
$50 set-up fee
$40 per hour

Swinging Sally
School special:
only
$50 per hour

1. Copy and complete this table to show each DJ's charges for up to 6 hours.

DJ	Set-up fee $	1 hour $	2 hours $	3 hours $	4 hours $	5 hours $	6 hours $
DD			110				
EE							
SS					200		

2. a. Which DJ is the cheapest for a 2 hour hire?
   b. For what period of time is Dynamic Dave the cheapest DJ?
      How much cheaper is he than the next cheapest for that period?
   c. For what period of time is Electric Eric the cheapest DJ?

3. The social committee has $130 to spend on a DJ. To keep within this budget,
   all three DJs agree to halve their rates for the final hour.
   a. What is the maximum time that each DJ will play for $130 or less?
   b. Which DJ offers the best value for $130 or less?