1.)

2.) Monthly cost = c Data limit = m find c/m

Plan1 $50/5gb = $10/1gb

Plan2 $100/15gb = $6.7/1gb

Plan3 $140/20gb = $7/1gb

3.) What is m in order for c to be the same for plans 1 & 2. If c1 = 50 and c2 = 100 then

c2 – c1 = 50

b = 5

m = (50/15) + b

m = 3.3 + 5

m = 8.3gb data usage for c1 to = c2

4.) P1 > P3 > P2 Plan1 per gb is the most expensive with Plan3 coming in second with $3 less per gb and Plan2 being the cheapest at $3.3 less than Plan1.

5.) I would choose Plan1 since it would be cheaper for the amount of data I use. It may be more per gb however, I would be able to go over up to 3.3 gb and it would be less than Plan2. I wouldn't have a need to have 20gb so it wouldn't be worth it for me.