Calculating Capacitance

Parallel Capacitance

$C_{total} = C_1 + C_2 + \ldots C_N$

Series Capacitance

$$C_{total} = \frac{1}{\frac{1}{C1} + \frac{1}{C2} + \ldots \frac{1}{CN}}$$

Hint: When capacitors of the same value are in parallel, the resistance is the value of one resistor divided by the number of capacitors.

Assuming all the capacitors below have a value of 200pF, calculate the following capacitances at the terminals:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____