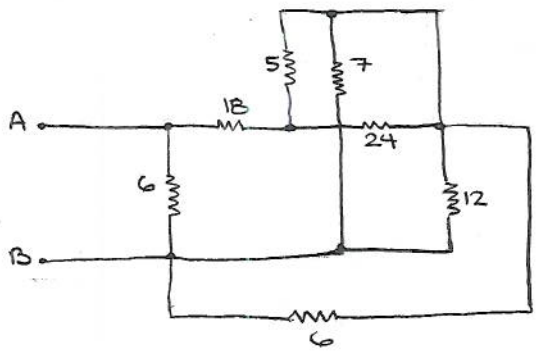
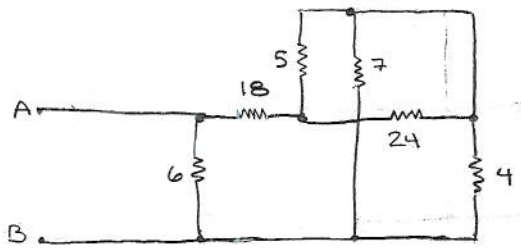
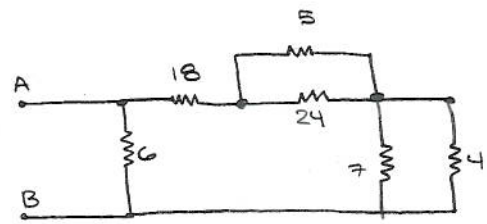
(5pts) 8. Determine the resistance between nodes A and B. Show all transformations.



Resistors in Parallel

$$\frac{12 \cdot 6}{12+6} = 4$$



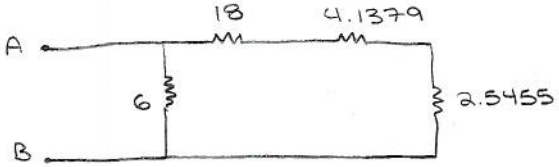


Resistors in parallel

$$\frac{7 \cdot 4}{7+4} = 2.5455$$

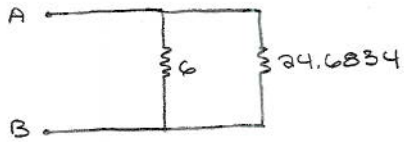
Resistors in parallel

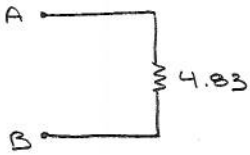
$$\frac{24 \cdot 5}{24+5} = 4.1379$$



Resistors in series

$18 + 4.1379 + 2.5455 = 24.6834$



Resistors in parallel

$$\frac{24.6834 \cdot 6}{24.6834 + 6} = 4.83$$