

phase construction

0) Draw diagram

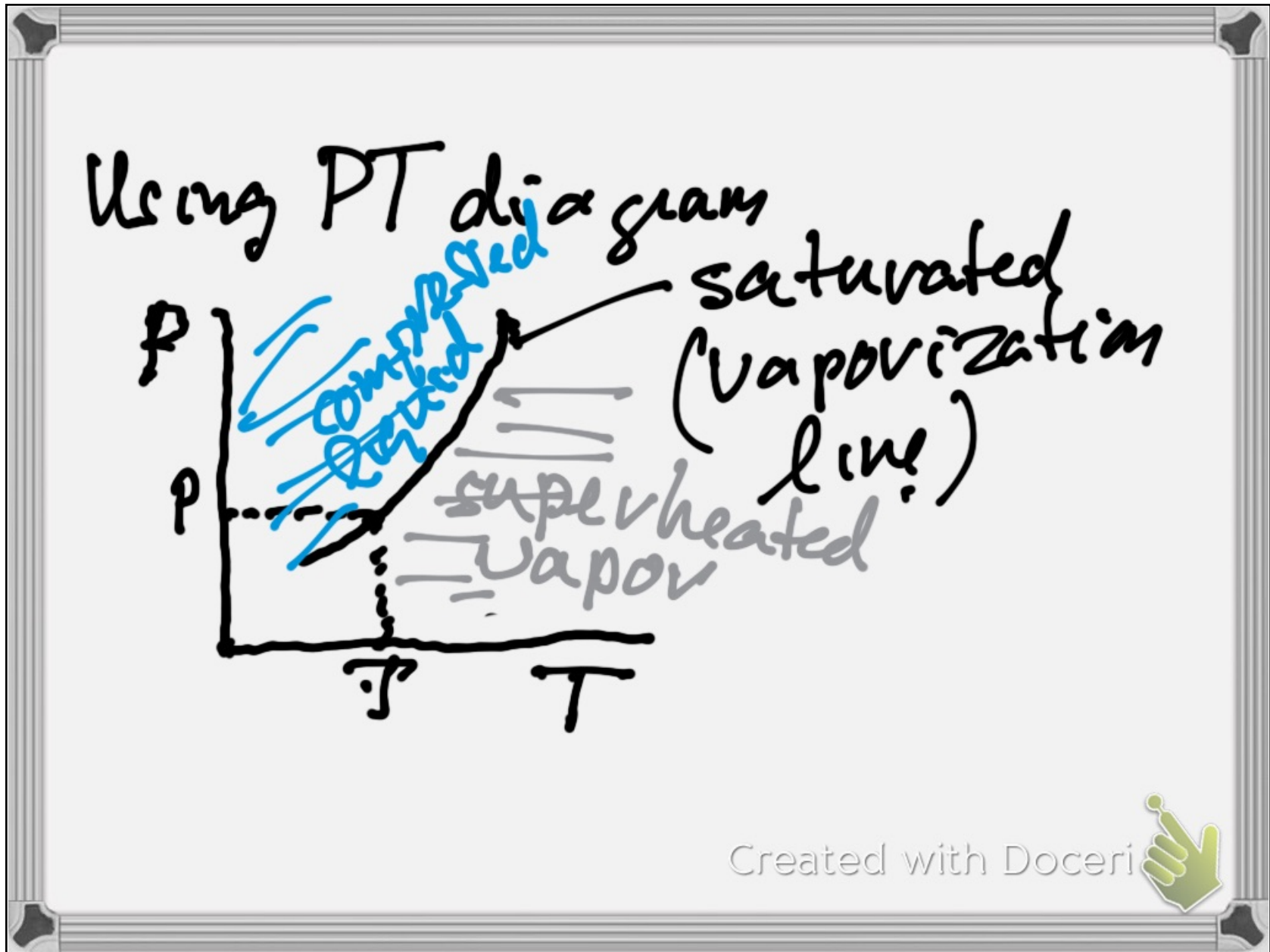
1) Draw line 1

2) Find line 1 in the saturated table, find saturated eq. number of line 2

3) Draw line 2

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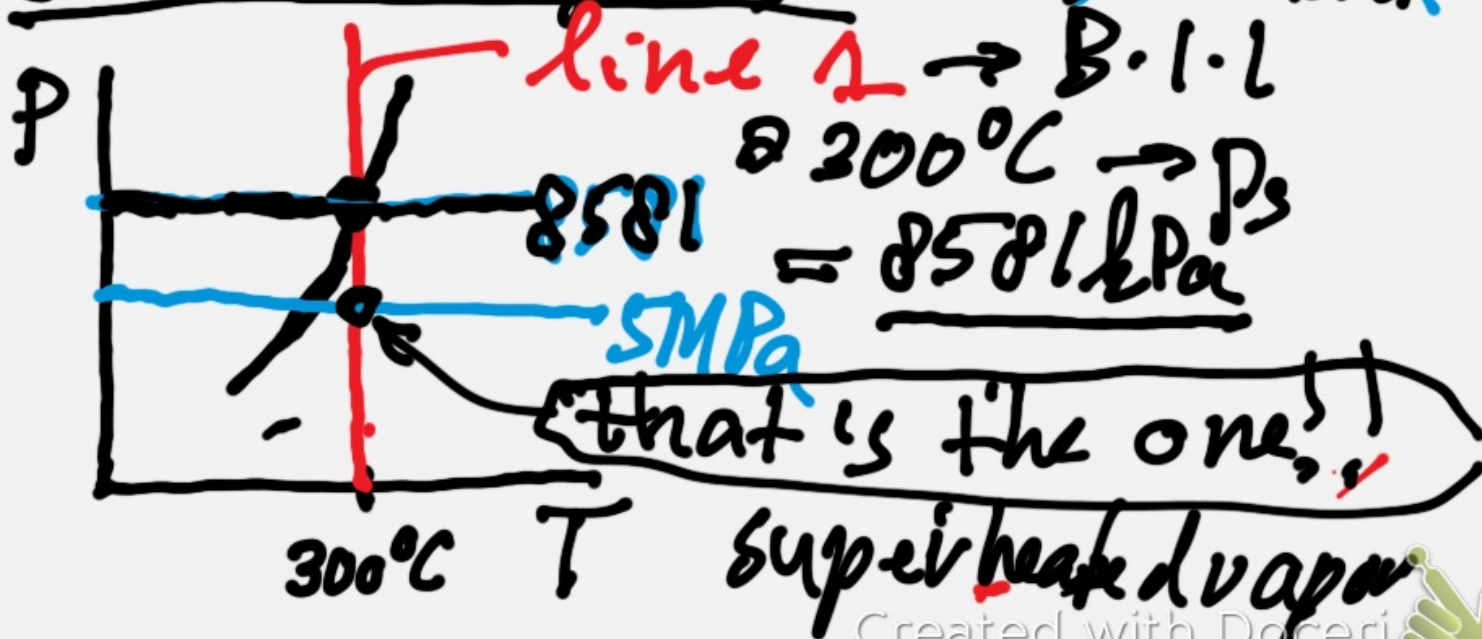




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Given: H_2O @ $300^\circ C$ 5MPa
 Asked: phase, specific volume
 Solution using P-T



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5 MPa 300°C superheated
vapor: what is v

Table B.1.3

at 5 MPa, 300°C

$$\rightarrow v = 0.04532 \frac{\text{m}^3}{\text{kg}}$$

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