

4. From sat. table

	T	v_f
1	-10.09	0.0007533
	-8.00	0.0007572
2	-5.38	0.0007620

v_f subcooled =
 v_f^{sat} at given
temperature!

$$v_f = 7533 + 87 \left(\frac{-8.00 + 10.09}{-5.38 + 10.09} \right) \\ = 0.0007572$$

$$x = \frac{v_{\text{ave}} - v_f}{v_g - v_f} = \frac{0.0150 - 0.0008}{0.0256 - 0.0008} = 0.573$$

Using v_f^{sat} at 320 kPa ($0.0007772 \text{ m}^3/\text{kg}$)
- 2

Not giving x for sat. mixture ~~is~~ okay

Generally - 3 each.