$$V_{1}(t) = 3e^{j2\pi ft}$$

$$V_{1}(t) + V_{1}(t) = e^{j2\pi ft} \cdot (3e^{j6} + 3)$$

$$V_{2}(t) + V_{1}(t) = e^{j2\pi ft} \cdot (3e^{j6} + 3)$$

$$V_{3}(t) = 3e^{j6} + 3$$

$$V_{4}(t) + V_{1}(t) = e^{j2\pi ft} \cdot (3e^{j6} + 3)$$

$$V_{5}(t) = 3e^{j6} + 3$$

$$V_{6}(t) + V_{1}(t) = e^{j2\pi ft} \cdot (3e^{j6} + 3)$$

$$V_{6}(t) + V_{1}(t) = e^{j2\pi ft} \cdot (3e^{j6} + 3)$$

$$V_{6}(t) + V_{1}(t) = e^{j2\pi ft} \cdot (3e^{j6} + 3)$$

$$V_{6}(t) + V_{1}(t) = e^{j2\pi ft} \cdot (2e^{j6} + 3)$$

$$V_{7}(t) + V_{1}(t) = e^{j2\pi ft} \cdot (2e^{j6} + 3)$$

$$V_{7}(t) + V_{1}(t) = e^{j2\pi ft} \cdot (2e^{j6} + 3)$$

$$V_{7}(t) + V_{1}(t) = e^{j2\pi ft} \cdot (2e^{j6} + 3)$$

$$V_{7}(t) + V_{1}(t) = e^{j2\pi ft} \cdot (2e^{j6} + 3)$$

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$$V_{7}(t) + V_{1}(t) = e^{j2\pi ft} \cdot (2e^{j6} + 3)$$

$$V_{7}(t) + V_{1}(t) = e^{j2\pi ft$$

c) Ø= 45 = 34

 $\cos(\emptyset) = \sin(\emptyset) = \frac{\sqrt{2}}{2}$

3 cos Ø + 3= 3 · \frac{\sqrt{2}}{2} +3

(v, (t) = 3 · exp(j(27) ft - 0))

 $V_{1}(t) = 3 \cdot \exp(j 2\pi i f t)$

 $V_{i}(t) = 3e^{j2\pi ft}e^{-j\phi}$

V2(t) = 3e125t

However h (2)
$$\cos(2\pi ft) = \frac{e^{2\pi i ft} + e^{-2\pi j ft}}{2}$$

(1) $\frac{1}{2} = \frac{1}{2} + \frac{1}{4}$; $\frac{1}{2} = \frac{1}{4}$; $\frac{1}{$







