A linear system as two inputs, 
$$v_a$$
 and  $v_b$ , and one output,  $v_{out}$ .

When 
$$v_a = v_1$$
 and  $v_b = v_2$ , then  $v_{out} = v_3$ .

When 
$$v_a = v_4$$
 and  $v_b = v_5$ , then  $v_{out} = v_6$ .

What is 
$$v_{out}$$
, when  $v_a = v_7$  and  $v_b = v_8$ ?

$$v1 = 8 V$$

$$v2 = 0 V$$

$$v3 = 56 V$$

$$v4 = 0 V$$

$$v5 = -9 V$$

$$\begin{cases} a \cdot 8 + b \cdot 0 = 56 \\ a \cdot 0 + b(-9) = 45 \end{cases}$$

$$\Rightarrow \int \alpha = \frac{56}{8} = 7$$

$$\delta = \frac{45}{9} = -5$$

$$\Rightarrow a. v_a + bv_b = 7.5 + (-5).8$$
  
= -5 V