

Exercise 3:

Draw $v + w = \begin{bmatrix} 5 \\ 1 \end{bmatrix}$ and $v - w = \begin{bmatrix} 1 \\ 5 \end{bmatrix}$, compute and draw v and w

$$v + w = \begin{bmatrix} 5 \\ 1 \end{bmatrix}$$

$$v - w = \begin{bmatrix} 1 \\ 5 \end{bmatrix}$$

$$v_1 + w_1 = 5$$

$$v_2 + w_2 = 1$$

$$v_1 - w_1 = 1$$

$$v_2 - w_2 = 5$$

$$v_1 + w_1 = 5$$

$$v_1 - w_1 = 1$$

$$2v_1 = 6$$

$$v_1 = 3$$

$$w_1 = 2$$

$$v_2 + w_2 = 1$$

$$v_2 - w_2 = 5$$

$$2v_2 = 6$$

$$v_2 = 3$$

$$w_2 = -2$$

