

So, $(i) - (-2+6i) + (1-2i) =$
 $i + 2 - 6i + 1 - 2i = -7i + 3.$

iv $2i(i-1) + (\sqrt{3}-i) + (1+i)(1+i)$

$$= (2i^2 - 2i + \sqrt{3} - i) + (1+i)(1+i)$$

$$= -2 - 2i + \sqrt{3} - i + 1 - \cancel{i^2}^{(+1)}$$

$$= \sqrt{3} - 3i.$$

b $(4+7i)(3-2i)$

polar form