

Let $z = 5 - i$ and $w = 1 + 9i$. Calculate the following and write your answer in standard form (i.e. in the form $x + yi$ where $x, y \in \mathbb{R}$):

a)

$$z + w = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} i$$

Score: 0/2

b)

$$z - w = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} i$$

Score: 0/2

c)

$$-1z + 10w = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} i$$

Score: 0/2

d)

$$zw = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} i$$

Score: 0/2

