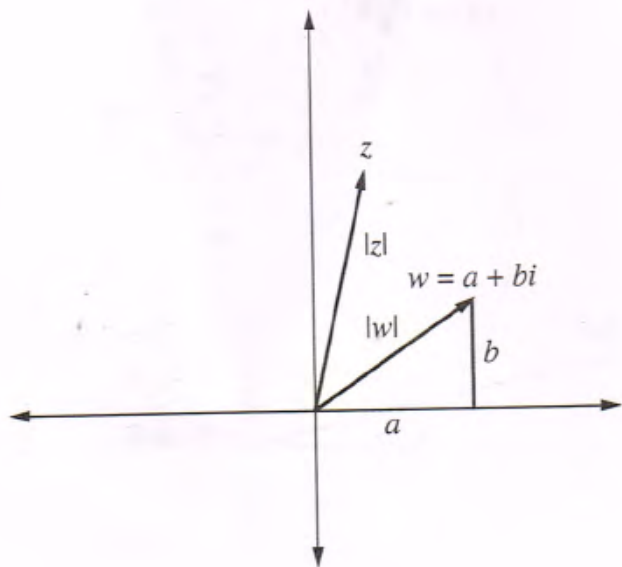
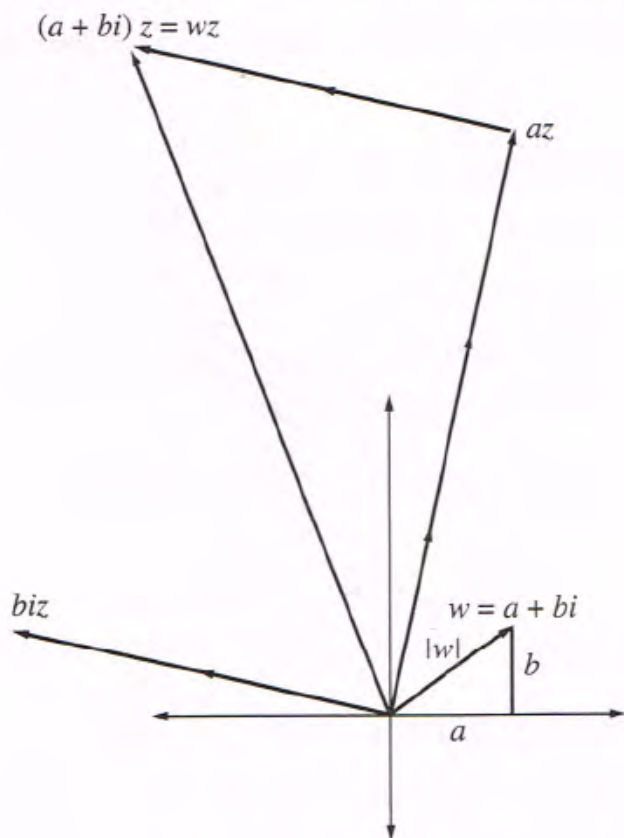




- Multiplying z by a scales it by a factor of $|a|$ (problem 38 from the previous section),
- Multiplying z by bi scales it by a factor of $|b|$ and rotates it 90° (problem 40 from the previous section), and
- $wz = (a + bi)z$ is the sum of az and $(bi)z$ (the distributive property in $\mathbb{C}$).



$$wz = az + bi z$$

Now, the black triangles in the figure below are similar (SAS).

