1. [-inf, inf]
2. False
3. [min(a1, a2), max(b1, b2)]
4. [-2,5]
5. {0}
6. If $c = 2$ and $s = -$, then $\gamma(s) = T_c$ and $\alpha(c) = +$. So, $c \leq \gamma(s)$ holds but $\alpha(c) \leq s$ is not hold.
7. A
8. B
9. C
10. A