1. [0,1)	6. R
2. [0,1]	7. ℚ∩[0,10]
3. [0,1] U[2,3]	8. ℕ∩[0,10]
<b>4.</b> [0,∞)	<b>9.</b> N
5. $\left\{\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \ldots\right\}$	10. A $\subset \mathbb{R}$ is closed and bounded

Can you make any general conclusions about compact sets?