

Solutions

2.1 The smaller zero is 3, and it is included.

2.2 The larger zero is 7, and it is included.

2.3 Set $x+1=5$, giving $x=4$.

3.1 False. The boundary $y=5$ for $y<5$ is dashed because points with $y=5$ fail the strict inequality. Only a non-strict inequality includes its boundary.

Local review guidance: show the chosen method; give the checked result; explain the condition or failed shortcut. This is authored classroom guidance.