AP Computer Science   Name _____
Searching Worksheet   Date _____ Period _____

1. Show the action for a Binary Search for the following ordered array (or ArrayList), searching for 31.

| 14 | 23 | 31 | 45 | 59 | 72 | 88 |

depth	0				
search term	31				
compareTo	—				
low	0				
high	6				
return	—				

2. Show the action for a Binary Search for the following ordered array (or ArrayList), searching for 86.

| 14 | 23 | 31 | 45 | 59 | 72 | 78 | 85 | 91 | 97 |

3. Show the action for a Binary Search for the following ordered array (or ArrayList), searching for 11.

| 14 | 23 | 31 | 45 | 59 | 72 | 78 | 85 | 91 | 97 |

4. Show the action for a Binary Search for the following ordered array (or ArrayList), searching for 91.

| 14 | 23 | 31 | 45 | 59 | 72 | 78 | 85 | 91 | 97 |

5. Show the action for a Binary Search for the following ordered array (or ArrayList), searching for E.

| B | E | G | J | K | M | P | Q | T | V | X |

6. Show the action for a Binary Search for the following ordered array (or ArrayList), searching for Y.

| B | E | G | J | K | M | P | Q | T | V | X |