

Binary Search — Trace Worksheet

Name _____ Date _____

Array (fill in the values):

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	7	9	10	15	18	22	24	28	33	36	38	42	45	56	78

One row per pass through the loop.

1. Target: 38 Returns: _____

low	high	mid	conditional

2. Target: 9 Returns: _____

low	high	mid	conditional

3. Target: 13 Returns: _____

low	high	mid	conditional

4. Target: 78 Returns:

low	high	mid	conditional

5. Target: Returns:

low	high	mid	conditional

6. Target: Returns:

low	high	mid	conditional

7. Target: Returns:

low	high	mid	conditional