Tracing Algorithms

1. Complete the trace table for algorithm shown below. (4)

Start ← 1	Start	End	Index	Output
End ← 4				
FOR Index ← Start TO End OUTPUT Index*Index				
ENDFOR ENDFOR				

2. Complete the trace table for algorithm shown below. (3)

	Count	Target	Output
START			
Count = 5			
Target = 0			
Is Count No OUTPUT Target? "Blast Off!"			
Target? / "Blast Off!" / Yes			
OUTPUT			
Count			
Count = Count - 1 END			

3. Complete the trace table for algorithm shown below. (5)

```
Answers \( \) [TRUE, TRUE, FALSE, FALSE, TRUE]

Responses \( \) [TRUE, FALSE, TRUE, FALSE, TRUE]

i \( \) 0

Score \( \) 0

Len \( \) LEN (Answers)

WHILE i \( \) Len DO

IF Answers[i] = Responses[i] THEN

Score \( \) Score \( \) Score \( \) 1

END IF

i \( \) i \( \) 1

ENDWHILE
```

	1	i		
i	Score	Len	Answers[i]	Responses[i]