Name: Nicholas Rosland	
1-	>= 28 11 1
Predict the output	Greater AND West OF N
1. [2 pts] NOT Equal Con control	Since AND Must of No count to port Must be true
int x = -5;	A
if (x)	
cout << "A" << endl;	~~~
else	
cout << "B" << endl;	
2. [2 pts]	(Vaccinal)
int score;	Cheer up!
score = -1;	Good Luck!
if (score <= 0);	
cout < "cheer up!" << endl;	
cout « "Good ";	
cout < "Luck!";	<u> </u>
3. [2 pts]	
bonus = 40;	Save!
if (bonus > 100)	Spendl
cout << "Give!\n";	<u> </u>
cout << "Save!\n";	
cout << "Spend!" << endl;	
6000 - 40	
4. [2 pts]	
int donuts = 10;	12
if (donuts = 20) -1 + + = 8 1. +8	**
if (donuts = 20) donuts += 8; else donuts += 2; cout < donuts << endl:	
else	<u></u>
donuts += 2; donuts = donuts + C	
cout << donuts << endl;	
À	
T	
+=	
5. [4 pts] = +-A	
C = C + A	

COSC 1550 (COSC 1550 FA 18) Test 2

```
testScore = 60;
if (testScore> 50)
cout << "You Pass!";
if (testScore <= 50)
cout << "You need to STUDY!";
else
cout << "good!";
```

```
You Pass!
```

```
6. [4 pts]

y = 25;

if (y > 40)

cout << "1";

else

if (y > 30)

cout << "2";

else

if (y > 20)

cout << "3";

else

cout << "4";
```

	3		
		9	•••••
	V		
<u> </u>			

7. [4 pts]	1	No. of Street, or other	450	1
score = 4;			>	
if (score > 5)				
score = score + 5; =				
else if (score < 2)				
score = score + 6;				
else				
score = score + 10;	1			3
cout << score << endl	;			

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```
8. [5 pts]
  int x = 166,
     y;
  y = x \% 100;
  if (x < 99)
  1 166
     cout << "A" << endl;
     if (y < 60)
      cout << "1" << endl;
       cout << "2" << endl;
  else
   \intcout \ll "B" \ll endl;
  \int if (y > 60)
       cout << "3" << endl;
       cout << "4" << endl;
  a = 1;
  b = 6;
\chi if (a > 5 | | b > 10)
    cout << a << " " << b << endl;
  else
    cout << b << " " << a << endl;
```

Fill in the following tables.

Not equal

10 [8 pts]

Relational expression (int a = 7, b = 8;	Value of answer (true or false)	output
bool answer;) answer = (a + 1) == b; cout << answer;	true	1
answer = (a - 6) <= b; cout << answer;	true	١
answer = 5!= a; 5 Notegue 7 cout << answer;	true	1
answer = (5 * a) > 4 3.5 > 4 cout << answer;	tive	1

bool > 1 True

(ond)
11. [2 pts] 68 72 1

if (a < 5 && b <= 10) cout << "1"; else cout << "2"; (oC) 12. [2 pts]

if (a < 5 | b <= 10)
cout << "1";
else
cout << "2";

а	10	ь	1 1	output
	٠ 5	. 4	10	2
	5.		9	2
	6		10	7
	6		11	て、

	1 000		
à	ь		output
5		10	1
5		9	1
6		10	1
6		11	2

13. [2 pts]

if (! (a < 5 && b <= 10)) cout << "1"; else

cout << "2";

1.	a		b		output
False	- 10	5		10	1
		5		9	1
False False		6		10	1
False		6		11	1

1. [7 pts] Write a code SEGMENT using if statement to do the following, reset the value of time to 1 if the time was greater than 13.

COSC 1550 (COSC 1550 FA 18) Test 2

Assume the variable time has already been defined and given values.

if (time > 13) {	
time = 1;	
36 6 have	
else {	
time = 0;	
3	
Cout>>> time >> endl;	
•••••••••••••••••••••••••••••••••••••••	

2. [7 pts] Write a code SEGMENT using if statement to do the following:

If num1 is between 150 and 250, then double it; otherwise, halve it.

Assume the variable num1 has already been defined and given values.

if (num1>=150 && num1<=250) {
 num1=num1 * Z;

else { num 1 = num 1 / 2;

cout >> numI >> endl;