What will be output from the following code:

```java
int x = 2;
int y = 0;
while ( x < 10 && y <= 1 )
{
x++;
y++;
    System.out.println( x + " " + y );
}
System.out.println( x + " " + y );
```

What will be output from the following code:

```java
int x = 4;
int y = 2;
while ( x < 7 || y <= 3 )
{
    System.out.println( x + " " + y );
x++;
y++;
}
System.out.println( x + " " + y );
```

Write the equivalent statement using the other variable for each statement (A and B) below. In A) write the equivalent statement using `foo`, in B) write the equivalent statement using `noise`. Assume the following declarations:

```java
Sound noise = new Sound( FileChooser.pickAFile() );
SoundSample[] foo = noise.getSamples();
```

A) `noise.getSampleValueAt( i );`

B) `foo[42].setValue( 3700 );`
Which of the following loops will NOT cause an ArrayIndexOutOfBoundsException exception? Circle all the correct answers. There may be more than one correct answer. [Correct +1; Incorrect: -1; No negative score]

A) for ( int i = 0; i <= this.getWidth(); i++ )

B) for ( int i = this.getWidth(); i > 0; i-- )

C) for ( int i = this.getWidth() - 1; i >= 0; i-- )

D) for ( int i = 16; i < this.getWidth(); i++ )

E) for ( int i = this.getWidth() - 16; i > 0; i-- )

F) for ( int i = -1; i < this.getWidth(); i++ )

Put your answer here: ______

What is printed if the line
if ( foo < a )
was changed to
if ( foo <= a )? ______

What is printed if the line
if ( foo < a )
was changed to
if ( foo > a )? ______

What's printed by this code?
(assume calling object (this) as shown)

```
public void guess(){
    SoundSample[] noiseArray = this.getSamples();
    int a = 32767;
    int b = 0;
    for (int i=0; i<noiseArray.length; i++)
    {
        SoundSample sample = noiseArray[i];
        int foo = sample.getValue();
        if (foo < a)
        {
            a = foo;
            b = i;
        }
    }
    System.out.println(a + ""," + b);
}
```

A. 0,9
B. 0,6
C. 90,5
D. 32767, 0
E. None of the above

Put your answer here: ______