1.

Given:

```
int x = 5;
int y = 9;
int z = 12
boolean b = true;
```

Which of the following statements will print `true`?

Please select 3 options
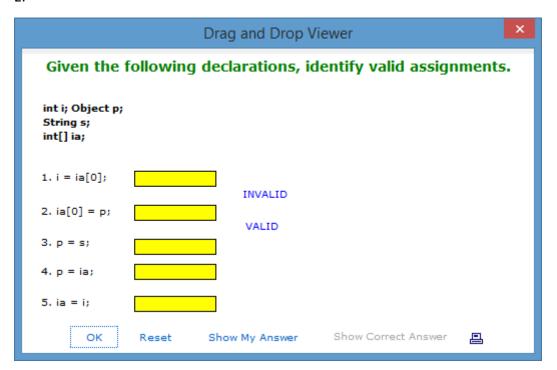
- ☐ `System.out.println( x==y || b );`
- ☐ `System.out.println( ! (x<z) || b );`
- ☐ `System.out.println( b == y>z );`
- ☐ `System.out.println( b && y>z || z<x );`
- ☐ `System.out.println( !b == y>z );`

2.

Drag and Drop Viewer ✕

Given the following declarations, identify valid assignments.

```
int i; Object p;
String s;
int[] ia;
```

1. `i = ia[0];` _____

     INVALID

2. `ia[0] = p;` _____

     VALID

3. `p = s;` _____

4. `p = ia;` _____

5. `ia = i;` _____

OK   Reset   Show My Answer   Show Correct Answer

3.

Given:
```
int a = 5,  b = 2, c = 30;
System.out.println(a + ++b * c  );
```

What is the result?

See Hint

Please select 1 option

- ○ 65
- ○ 210
- ○ 180
- ○ 95
- ○ Compilation failure

4.

What will be the result of attempting to compile and run the following code?

```
class SwitchTest
{
   public static void main(String args[])
   {
      for ( int i = 0 ; i < 3 ; i++)
      {
         boolean flag  = false;
         switch (i)
         {
            flag  = true;
         }
         if ( flag )  System.out.println( i );
      }
   }
}
```

Please select 1 option

○ It will print 0, 1 and 2.
○ It will not print anything.
○ Compilation error.
○ Runtime error.
○ None of the above.

5.

Which of the following expressions correctly implement the following equation:

$y = 10x^2 + 20x + 30$

Assume that all variables are of type ints.

Please select 2 options

☐ y = 10**x + 20*x + 30;
☐ y = x*(10*x + 20) + 30;
☐ y = 10*x^2 + 20*x +20;
☐ y = 10*x*x + 20*x + 30;
☐ y = 10*x** + 20*x + 30;

6.

What will be the output of the following lines ?

```
System.out.println("" +5 + 6);    //1
System.out.println(5 + "" +6);    // 2
System.out.println(5 + 6 +"");    // 3
System.out.println(5 + 6);        // 4
```

Please select 1 option

○ 56, 56, 11, 11
○ 11, 56, 11, 11
○ 56, 56, 56, 11
○ 56, 56, 56, 56
○ 56, 56, 11, 56

7.

What will the following code print?

```
int i = 0;
int j = 1;
if( (i++ == 0) && (j++ == 2) )
{
    i = 12;
}
System.out.println(i+" "+j);
```

Please select 1 option

○ 1 2

○ 2 3

○ 12 2

○ 12 1

○ It will not compile.

8.

The following code snippet will not compile...

```
int i = 10;
System.out.println( i<20 ? out1() : out2() );
```

Assume that `out1` and `out2` have method signature: `public void out1();` and `public void out2();`.

Please select 1 option

○ True

○ False

9.

Given:

```
String s1 = "Hello";
String s2 = "World";
//1
```

Which of the following options are valid when inserted independently at the line marked //1?

Please select 3 options

☐ s1 += s2;

☐ s1 -= s2;

☐ System.out.println(s1 = s2);

☐ System.out.println(s1 == s2);

10.

Given:
```
int a = 5,  b = 2, c = 30;
System.out.println( a-- * c / b  );
```

What is the result?
See Hint

Please select 1 option

○ 50

○ 60

○ 75

○ 0

○ Compilation failure

○ Exception at run time