

AP Computer Science 'A' Practice Java Quiz #6 (30 Points)

On paper, closed computer, notes, and books

For each of the following calls, what value will be returned by the method below?

mystery("cat")

tac

mystery("A fine afternoon")

noonretfa enif A

mystery("")

[an empty string is returned]

mystery("Computers are so cool.")

.looc os era sretupmoC

mystery("x")

x

```
public static String mystery(String phrase)
{
    if (phrase.length() <= 1)
        return phrase;
    else
        return mystery(phrase.substring(1)) + phrase.charAt(0);
}
```

What is the output from each of the following calls to the method below?

mystery(385)

583

mystery(26)

62

mystery(9352)

2539

mystery(7)

7

mystery(-19)

-91

```
public static void mystery(int n)
{
    if (n < 0)
    {
        System.out.print("-");
        mystery(-n);
    }
    else if (n < 10)
    {
        System.out.println(n);
    }
    else
    {
        System.out.print(n % 10);
        mystery(n / 10);
    }
}
```
