

# 109590031 HW#02

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## Problem 1

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### Question 1

Which two layout constraint attributes on the **Zero** `Button` position it vertically equal distance between the other two `Button` elements? (Pick 2 answers.)

- `app:layout_constraintBottom_toTopOf="@+id/button_count"`
- `android:layout_marginBottom="8dp"`
- `android:layout_marginStart="16dp"`
- `app:layout_constraintTop_toBottomOf="@+id/button_toast"`
- `android:layout_marginTop="8dp"`

### Answer 1

```
app:layout_constraintBottom_toTopOf="@+id/button_count"
```

```
app:layout_constraintTop_toBottomOf="@+id/button_toast"
```

## Problem 2

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### Question 2

Which layout constraint attribute on the **Zero** `Button` positions it horizontally in alignment with the other two `Button` elements?

- `app:layout_constraintLeft_toLeftOf="parent"`
- `app:layout_constraintBottom_toTopOf="@+id/button_count"`
- `android:layout_marginBottom="8dp"`
- `app:layout_constraintTop_toBottomOf="@+id/button_toast"`

### Answer 2

```
app:layout_constraintLeft_toLeftOf="parent"
```

## Problem 3

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### Question 3

What is the correct signature for a method used with the `android:onClick` XML attribute?

- `public void callMethod()`
- `public void callMethod(view view)`
- `private void callMethod(view view)`
- `public boolean callMethod(view view)`

## Answer 3

```
public void callMethod(View view)
```

## Problem 4

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### Question 4

The click handler for the **Count** `Button` starts with the following method signature:

```
public void countUp(View view)
```

Which of the following techniques is more efficient to use within this handler to change the `Button` element's background color? Choose one:

- Use `findViewById` to find the **Count** `Button`. Assign the result to a `view` variable, and then use [setBackgroundColors\(\)](#).
- Use the `view` parameter that is passed to the click handler with [setBackgroundColors\(\)](#):  
`view.setBackgroundColors()`

## Answer 4

Use the `view` parameter that is passed to the click handler with [setBackgroundColors\(\)](#):  
`view.setBackgroundColors()`