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**Android fundamentals 07.3: Broadcast receivers**

### Question 1

**What is a system broadcast?**

* **A message that the Android system sends when a system event occurs.**

### Question 2

**Which pair of methods do you use to register and unregister your broadcast receiver dynamically?**

* **registerReceiver() and unRegisterReceiver().**

### Question 3

**Which of the following are true?**

* **Using a broadcast intent, you can't find or start an activity.**

### Question 4

**Which class is used to mitigate the security risks of broadcast receivers when the broadcasts are not cross-application (that is, when broadcasts are sent and received by the same app)?**

* **LocalBroadcastManager**

**Android fundamentals 08.1: Notifications**

### Question 1

Select all that are true for notification channels:

* You use notification channels to group multiple notifications so that the user can control the notifications' behavior.
* Notification channels are not yet available in the Android Support Library package.

### Question 2

Which API do you use to show a notification in the notification drawer and in the device's status bar?

* NotificationManager.notify()

### Question 3

Which component is *not* needed when you add a notification action?

* Click listener for the action button click event.

### Question 4

Which API do you use to add an action button to a notification?

* NotificationCompat.Builder.addAction()

### Question 5

Suppose that you create an app that downloads a work of art on the user's device every day. Once the day's image is available, the app shows a notification to the user, and the user can download the image or skip the download. What PendingIntent method would you use to start a service to download the image?

* PendingIntent.getService()