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| **Benha University****Faculty of Engineering at Shoubra****Electrical Engineering Department****2nd Year Communications**  | Benha Logo | **Quiz 1****Date: Monday 13/3/2017****Subject: Signals** **Duration: 30 Mins** |
| * **Answer all the following questions**
* **Illustrate your answers with sketches when necessary**
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1. **Sketch the following continuous-time signals:**

 **3 -1 =< t < 0**

**x(t) =**

 **3 e-2t 0 =< t < 2**

**And x(t) = x (t-3).**

1. **Find the size of the signal in problem 1.**
2. **For the following signal sketch:**
* **The signal compressed by 2.**
* **The signal delayed by 2.**
* **The signal DC shifted by 2.**

X(t)

**t**

**0**

**1**

**3**

**4**

**2**

**1**

**2**

* **X(t) [u(t)-u(t-2)].**

**Good Luck**

**Dr. Michael Nasief**