

# Quiz 1 Solution

EE 2013  
Fundamentals of Electric Circuits I  
Prof. Rappaport

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1. **Who is the president of NYU?**

John Sexton.

2. **What is a good engineer?**

All good answers.

3. **What is the wavelength  $\lambda$  at 300 GHz?**

$$\lambda = \frac{c}{f}; \quad c = \frac{3 \times 10^8 \text{ m}}{\text{s}}; \quad 300 \text{ GHz} = 300 \times 10^9 \text{ Hz} = \frac{300 \times 10^9}{1 \text{ s}} \quad (1)$$

$$\lambda = \frac{3 \times 10^8 \text{ m}}{\text{s}} \times \frac{1 \text{ s}}{300 \times 10^9} = 1 \times 10^{-3} \text{ m} = 1 \text{ mm} \quad (2)$$

## Quiz 1 Results

- Total Possible: 10
- Mean: 6.8
- Median: 6.7
- Mode: 6.7
- Min: 0
- Max: 10
- Standard Deviation: 3.2