

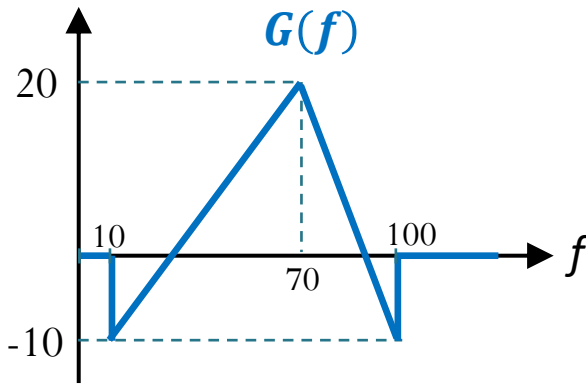
ECS 332: In-Class Exercise # 15 - Sol

Instructions

1. Separate into groups of no more than three students each. **The group cannot be the same as any of your former groups after the midterm.**
2. Write down all the steps that you have done to obtain your answers. You may not get full credit even when your answer is correct without showing how you get your answer.
3. **Do not panic.**

Date: <u>30</u> / <u>10</u> /2019			
Name			ID (last 3 digits)
Prapun			5 5 5

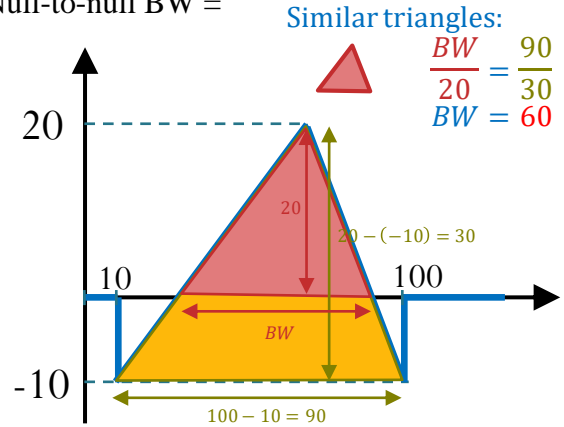
1. Find the bandwidth (BW) values for the signal below.
Note that the signal is even and real-valued in both domains and therefore we show only the positive-frequency side.



Absolute BW =

$$100 - 10 = 90.$$

Null-to-null BW =



3-dB BW (half-power BW) =

