

**Special Problem 3.6-10**

A diode limiter has the following **transfer function** (note some numbers are missing!):

$$v_O = \begin{cases} 23.0 & \text{for } v_I > A \\ 2v_I + B & \text{for } C < v_I < 10.0 \\ D & \text{for } v_I < -5.0 \end{cases}$$

Determine the **numeric** values (e.g.,  $A = 3.0$ ) of the missing values  $A$ ,  $B$ ,  $C$ , and  $D$ .