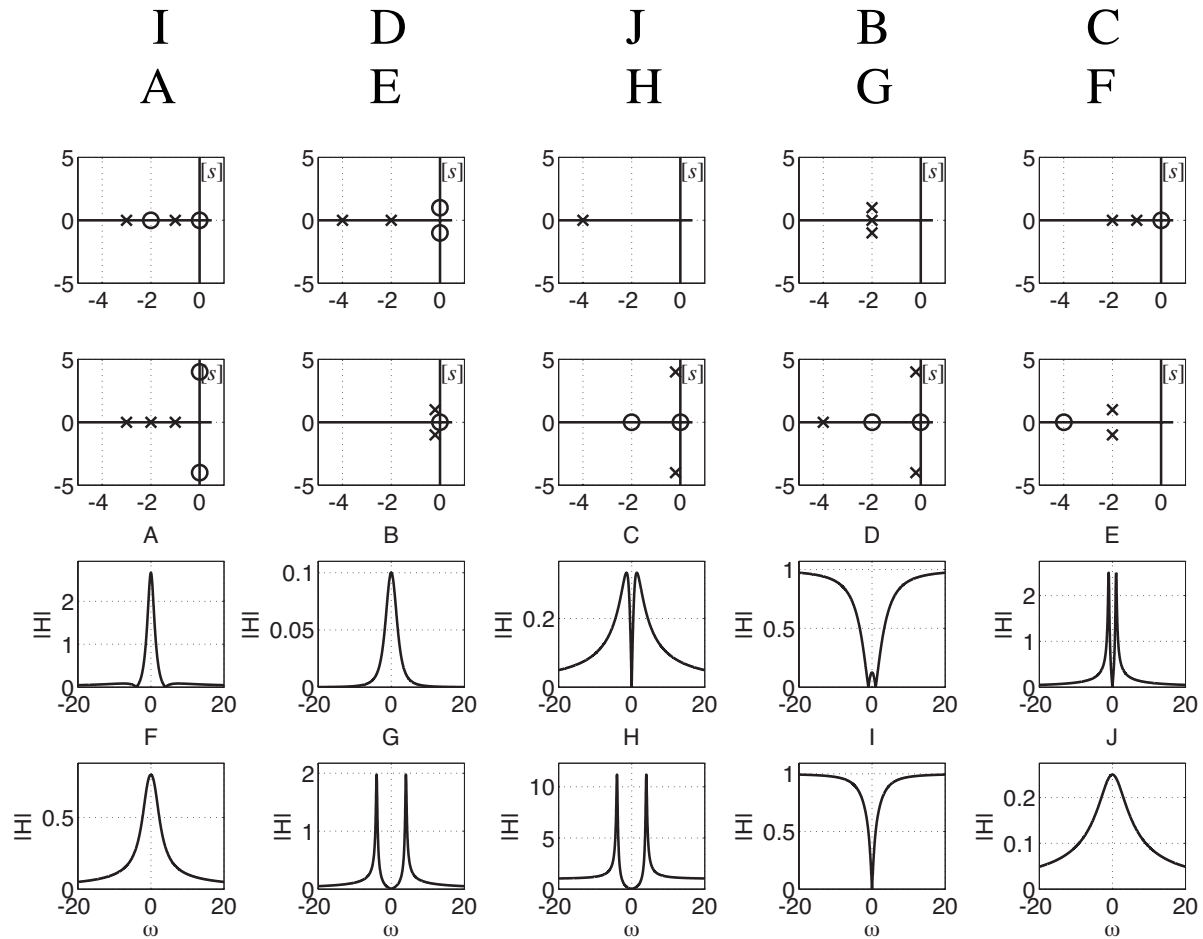


# Solution to ECE Test 7 S09

Below are some pole-zero diagrams of transfer functions of systems of the general form,  $H(s) = A \frac{(s - z_1) \cdots (s - z_N)}{(s - p_1) \cdots (s - p_D)}$  in which  $A = 1$ , the  $z$ 's are the finite zeros and the  $p$ 's are the finite poles. Match each pole-zero diagram to its magnitude frequency response by writing the letter designation above the pole-zero diagram.



# Solution to ECE Test 7 S09

Below are some pole-zero diagrams of transfer functions of systems of the general form,  $H(s) = A \frac{(s - z_1) \cdots (s - z_N)}{(s - p_1) \cdots (s - p_D)}$  in which  $A = 1$ , the  $z$ 's are the finite zeros and the  $p$ 's are the finite poles. Match each pole-zero diagram to its magnitude frequency response by writing the letter designation above the pole-zero diagram.

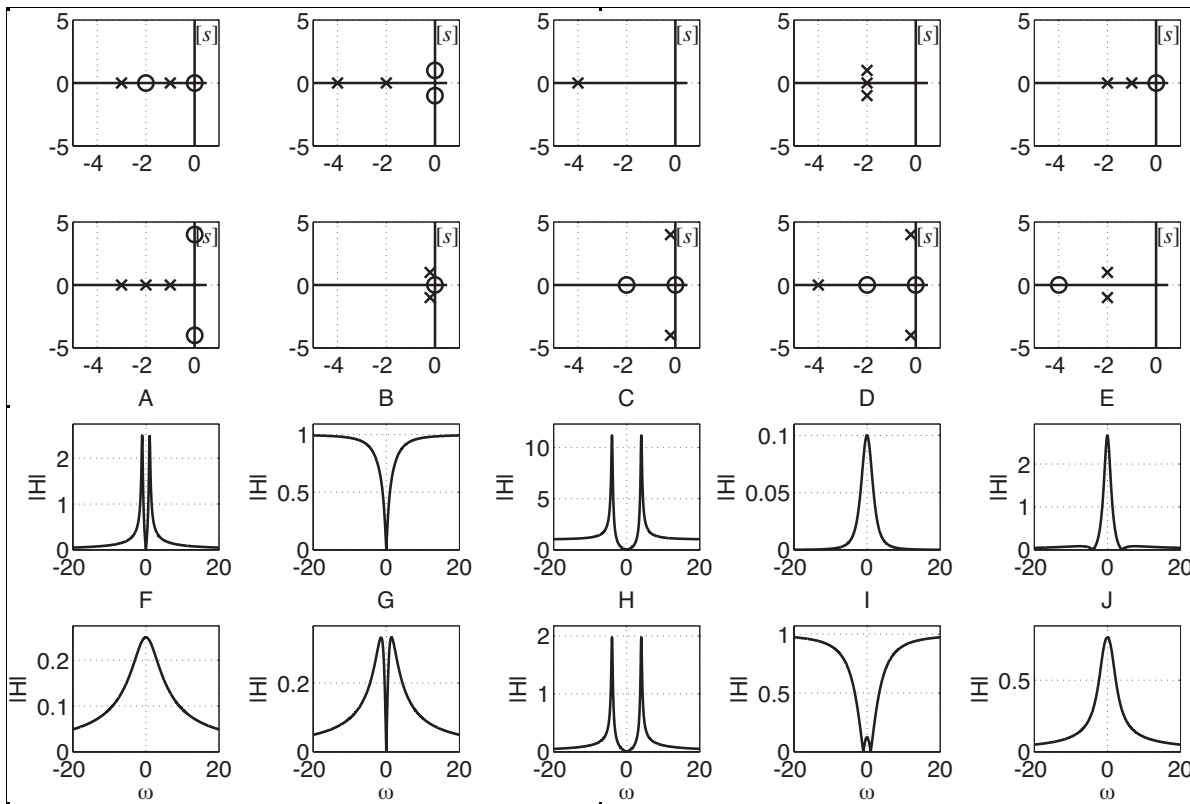
**B**  
**E**

**I**  
**A**

**F**  
**C**

**D**  
**H**

**G**  
**J**



# Solution to ECE Test 7 S09

Below are some pole-zero diagrams of transfer functions of systems of the general form,  $H(s) = A \frac{(s - z_1) \cdots (s - z_N)}{(s - p_1) \cdots (s - p_D)}$  in

which  $A = 1$ , the  $z$ 's are the finite zeros and the  $p$ 's are the finite poles. Match each pole-zero diagram to its magnitude frequency response by writing the letter designation above the pole-zero diagram.

