Continuing the bidding after a one in a suit opening

In each of these auctions what is the next bid and why?

		North bids?	Reason
1	NORTH		
	N E S W 1♥ Pass 2♣ Pass		
2	NORTH		

		South bids?	Reason
3	SOUTH		
	N E S W 1♥ Pass 1♠ Pass 2♥ Pass		
4	SOUTH ♠ K 10 4 ♥ J9 ♦ J 6 4 ♣ J 9 7 6 2		
	N E S W 1 → Pass 1NT Pass 2 → Pass		