2) (10 pts) DSN (Linked Lists)

The structure of a node of a doubly linked list is shown below.

```
typedef struct node {
    int data;
    struct node* next;
    struct node* prev;
} node;
```

Write a function that takes in a pointer to the head of a doubly linked list (*head*) and a pointer to a node in that list (*me*), removes that node (*me*) from the list, and returns a pointer to the head node of the resulting doubly linked list. You may assume that both *head* and *me* are not NULL, and that *me* points to a node in the list pointed to by *head*.

```
node* deleteMe(node* head, node* me) {
```

```
}
```