Question 1:

Answer:

|  |
| --- |
| p |
| Garbage Value |
| NULL |

|  |
| --- |
| q |
| 8.0 |
| NULL |

|  |
| --- |
| r |
| 1.6 |
| p |

Question 2

Answer:

P - is the pointer to the node

\*p - node

(\*p).data\_field - Value\_type (int, char …)

p->data.field - Value\_type (int, char …)

Question 3:

Answer:

void list\_insert(node\* previous\_ptr, const node::value\_type& entry)   
    {  
 node \*insert\_ptr;  
      
 insert\_ptr = new node(entry, previous\_ptr->link( ));  
 previous\_ptr->set\_link(insert\_ptr);  
    }