Question 1   _____ / 4

a. What are all the (listed) ancestors of *Russian*?
   Slavic, Proto-indo-european

b. What are all the (listed) descendants of $Indo-iranian$?
   Persian, Sanskrit, Hindi, Urdu

c. What are all the (listed) siblings of *Polish*?
   Russian and Bulgarian

d. What are all the (listed) leaves of the tree?
   Polish, Russian, Bulgarian, Persian, Hindi, Urdu

Question 2   _____ / 4

a. Write out all the Nodes in the path from *Lab 13* to *C:*.   Lab 13 →
   CS 250 → School → C:\\

b. What is the length of the path from *Lab 13* to *C:*?   3

c. Find the Depths and Heights for the following:

Node	Depth	Height
Lab 13	3	0
Ch 7.3	3	0
Tacos	2	0
MGSV	2	0
CS 211	2	1
School	1	2

Question 3   _____ / 2

Traverse the following tree using **pre-order** traversal. Write out each Node as you "process" it.   H I W U T S U P

Question 4   _____ / 2

Traverse the following tree using **post-order** traversal. Write out each Node as you "process" it.
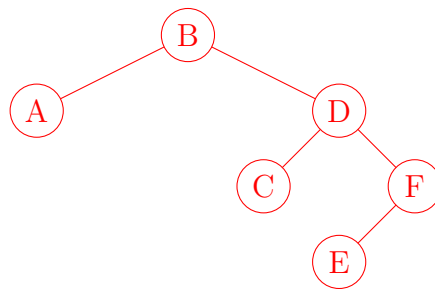
C A T S R G O O D

Question 5   _____ / 2

Traverse the following tree using **in-order** traversal. Write out each Node as you "process" it.
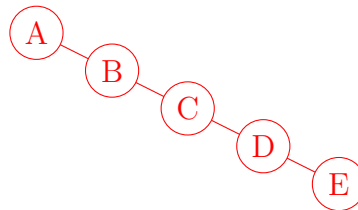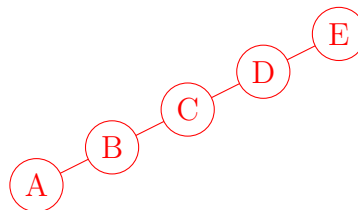
G R A P H S

Question 6   _____ / 3

a. Add: `B, A, D, C, F, E`

b. Add: `A, B, C, D, E`

c. Add: `E, D, C, B, A`

Question 7 _____ / 1

a. B, A, D, C

```
nodeB->ptrLeft = &nodeA;
nodeB->ptrRight = &nodeD;
nodeD->ptrLeft = &nodeC;
```

b. A, B, C, D

```
nodeA->ptrRight = &nodeB;
nodeB->ptrRight = &nodeC;
nodeC->ptrRight = &nodeD;
```

c. D, C, B, A

```
nodeD->ptrLeft = &nodeC;
nodeC->ptrLeft = &nodeB;
nodeB->ptrLeft = &nodeA;
```

0.0.1 Thinking in subtrees

WIP