SET A

TRANSACTION	ITEMS
T1	B, D, A, F
T2	E, D, G, C, B, A
T3	F, D, C, E, A, B
T4	A, B, C, E, G
T5	C, F, B, D, E, A, G
T6	F, C, D, E
T7	C, A, F, E
T8	E, F, D, A, G, C
T9	C, G, D, A, B, E, F
T10	G, C, B, A, D
T11	C, D, F, E, B, A, G
T12	C, E, B, F
T13	E, D, G, B, A
T14	D, C, E, A, G, B
T15	C, D, F, E, B, A

Answer the following, write the correct answer on your paper:

For uniformity, all initial calculations and final answers should be in two decimal places, not rounded.

1. What is the support for itemset {B, C}

2. What is the support for itemset {E, G, F}

3. What is the lift for itemset {C, B} → A

4. What is the lift for itemset (A, D, E} → B

5. What is the confidence for itemset {A, C} → F

6. to 10. Given the transactions above, construct the final FP-Tree with counters. If there is a tie in frequencies, alphabetical order will prevail.