1. Review the lecture slides which discuss Very Simple Programming Languages (VSPL). Next, observe the VSPL defined below and identify which sequences are valid.

```
<letter> ::= a | b | c | d | e
<LETTER> ::= V | W | X | Y | Z
<number> ::= 0 | 1 | 2 | 3 | 4
<letters> ::= <letter> | <letter> <letters>
<LETTERS> ::= <LETTER> | <LETTER> <LETTERS>
<numbers> ::= <number> | <number> <numbers>
<sequence> ::= <letters> <LETTERS> <numbers> | <LETTERS> <letters> <letters> <numbers>
```

Which of the following are valid sequences? You must clearly identify for each of the following sequences, which are valid, and which are invalid. Each sequence is worth 1 point. Submit your answer as hw02q1.pdf. [10 points]

1. CSE204	NO
2. ebcXYZ125	YES
3. XYZcde344	YES
4. VWXa10	YES
5. edc135790Z	NO
6. dYaZeWkV	NO
7. Zbad00	YES
8. aZ21	YES
9. XYZabc23	YES
10. Ey701	YES