Substituting Numbers or Symbols for Letters

Many people start with a password that has 2 or 3 words. Then they change letters to symbols and numbers. Changing the letters makes the password strong. Here are two examples:

* Little Red Riding Hood --> L!tt!3R3dR1d!ngH00d
* What time do we finish? --> Wh@tt!med0wef1n1$h?

Below is a list of common substitutions, or changes, that you can use. You can also change the spelling of the word:

**Change letters to symbols or numbers.**

a --> symbol @

e --> the number 3

i, I, or l --> the symbol ! or the number 1

o or O --> the number 0 (zero)

s --> the dollar sign ($) or the number 5

**Change words to numbers or**

to --> 2

for --> 4

ate --> 8

the --> "du" or "dee"

**Change the spelling**

good --> guud pizza --> pitsa

dogs --> dogz cookies --> kuuki

# Exercise A:

## Write the words for these passwords:

1. M!1k$h@k387 (MilkShake87)  ---> \_MilkShake387
2. H3ll0Fr!3nd$ (Hello friends)  ---> \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 21Guudch!kn$ (21 good chickens)  ---> \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. R3dR0$3@TX (Red Rose at Texas)  ---> \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. La$yBuny51? (Lazy Bunny) ---> \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. imB@d2deB0n3 (I’m bad to the bone) ---> \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Exercise B. Practice making a password strong by substituting numbers and symbols for letters.

1. Choose a few words or a short sentence that are easy to remember.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write the words with no spaces.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Change letters to numbers or symbols or spell a word like it sounds to you.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Check that your password has uppercase (capital) letters, lowercase letters, numbers, and symbols. Check that you have at least 11 characters. (Characters are letters, numbers, or symbols.)

* How many uppercase letters do you have? \_\_\_\_\_\_
* How many lowercase letters do you have? \_\_\_\_\_\_
* How many numbers do you have? \_\_\_\_\_\_
* How many symbols do you have? \_\_\_\_\_\_
* How many characters do you have? \_\_\_\_\_\_