Subscript Samples with SimBraille

1. Open parenthesis $x$ sub one comma $x$ sub two close parenthesis is written
   $(x_1, x_2)$

2. The area of a trapezoid $A$ equals open fraction $h$ over two close fraction open parenthesis $b$ sub one plus $b$ sub two close parenthesis is equal to open fraction $h$ open parenthesis $b$ sub one plus $b$ sub two close parenthesis over two equals one-half open parenthesis $b$ sub one plus $b$ sub two close parenthesis $h$ is written

   $$A = \frac{h}{2}(b_1 + b_2)$$
   $$= \frac{h(b_1 + b_2)}{2}$$
   $$= \frac{1}{2}(b_1 + b_2)h$$

3. Water which is also known as $H$ two $O$ is written $H_2O$
4. a sub i is written
   \( a_i \)

5. The equation a sub n equals a sub n minus one plus three is written
   \( a_n = a_{n-1} + 3 \)

6. The equation a equals open fraction v sub f minus v sub i over t close fraction is written
   \( a = \frac{v_f - v_i}{t} \)

7. The log base b of a is written
   \( \log_b a \)

8. The log base two of x is written
   \( \log_2 x \)

9. The number of permutations of n objects taken r at a time is written
   \( nP_r \) or \( P_{n,r} \)
10. The number of combinations of \( n \) objects taken \( r \) at a time is written
\[
{n \choose r} \text{ or } C_{n,r}
\]

11. The number of permutations of five objects taken three at a time is written
\[
_5 P_3 \text{ or } P_{5,3}
\]

12. The number of combinations of five objects taken three at a time is written
\[
_5 C_3 \text{ or } C_{5,3}
\]

13. The equation one zero one one zero sub two equals twenty-two sub ten is written
\[
10110_2 = 22_{10}
\]