Subscript Examples 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. \( a_i \) is written

5. The equation \( a_n = a_{n-1} + 3 \)

6. The equation \( a = \frac{v_f - v_i}{t} \)

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

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

9. The number of permutations of \( n \) objects taken \( r \) at a time is written

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

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

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

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