A very simple Latex

Tiep Vu, Penn State

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1   Problem

Given three real numbers a, b, c, solve the equation:

$$ax^2 + bx + c = 0 \tag{1}$$

2   Solution

1. $a = 0$

   - $b = 0, c \neq 0 \Rightarrow$ there is no solution for equation (1).
   - $b \neq 0$
   - ...

2. $a \neq 0$. Let $\Delta = b^2 - 4ac$. ...

3   Example

Solve equation: $x^2 - x - 2 = 0$.
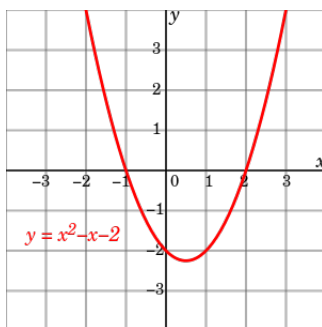Looking at Figure 3, the solution is $x \in \{-1, 2\}$

Figure 1: The caption is here

Table 1: My caption

a	b	c	x_1	x_2
1	-4	3	1	3
1	-2	1	1	1

4   More example

5   Citations

Tiep Vu *et. al.* [1]

References

[1] T. H. Vu, H. S. Mousavi, V. Monga, U. A. Rao, and G. Rao, "Dfdl: Discriminative feature-oriented dictionary learning for histopathological image classification," in *2015 IEEE 12th International Symposium on Biomedical Imaging (ISBI)*.   IEEE, 2015, pp. 990–994.