

Figure 1: A graph showing the relationship between the input variable  $x$  and the output variable  $y$ . The curve represents the function  $y = x^2$ .

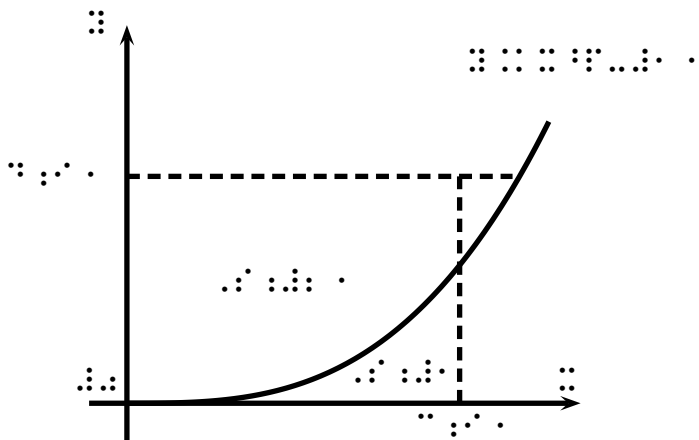


Figure 2: A diagram illustrating the concept of a set. A circle represents a set, and several points are shown inside and outside the circle. An arrow points from a point outside the circle to the set, indicating that the point is not a member of the set.

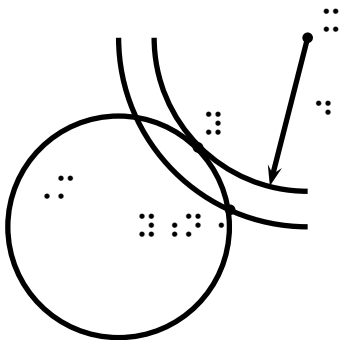
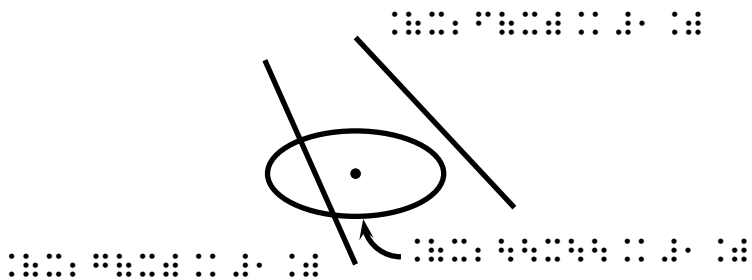


Figure 3: A diagram illustrating the concept of a set. A circle represents a set, and several points are shown inside and outside the circle. An arrow points from a point outside the circle to the set, indicating that the point is not a member of the set.



1. The function  $f(x)$  is defined on the interval  $[0, 1]$  by the formula  $f(x) = x^2$ . Find the value of the function at the point  $x = \frac{1}{2}$ .

