Determine whether or not the given function is one-to-one:

1) $y = 3x$

2) $y = \dfrac{1}{2}x + 3$

3) $y = x^2 + 3$

4) $y = x^4 - x^2$

5) $y = x^3 - x$

6) $y = x^2 - x$

7) $y = |x|$

8) $y = |x - 3|$

9) $y = 5$

10) $y = \dfrac{1}{x}$

Answers to Determining the Existence of the Inverse: Given the Equation

1) 1-1
2) 1-1
3) not 1-1
4) not 1-1
5) not 1-1
6) not 1-1
7) not 1-1
8) not 1-1
9) not 1-1
10) 1-1