

## Functions – Relations (ordered pairs)

**A function is a relation in which no two different ordered pairs have the same first element. (If the x does not repeat in ordered pairs, the ordered pairs describe a function)**

**Determine if the following ordered pairs represent a function or relation and explain your decision.**

1.  $(2, 3), (3, 7), (4, 11), (5, 15)$
2.  $(1, 2), (3, 2), (4, 2), (5, 2)$
3.  $(0, 4), (1, 6), (2, 8), (3, 10), (1, 5)$
4.  $(2, 3), (3, 3), (4, 0), (5, 2), (6, 2)$
5.  $(1, 2), (1, 3), (1, 4), (1, 5), (1, 6)$
6.  $(0, 0), (1, 1), (2, 2), (-1, 1), (-2, 2)$
7.  $(0, 0), (1, 1), (2, 2), (1, -1), (2, -2)$