

SECTION 4.3: RELATIONS & FUNCTIONS

Learning Target: _____

Homework: _____

relation: a set of _____

domain: the _____ or _____ values. The _____ variable.

range: the _____ or _____ values. The _____ variable.

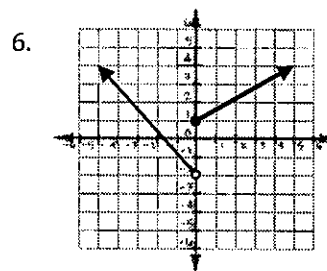
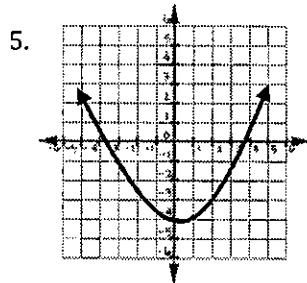
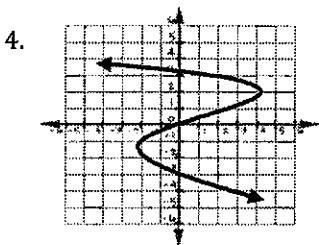
inverse: to find the inverse of the relation, you _____ the values

function: a _____ is a function **if and only if** each _____ value gives back the same _____ value.

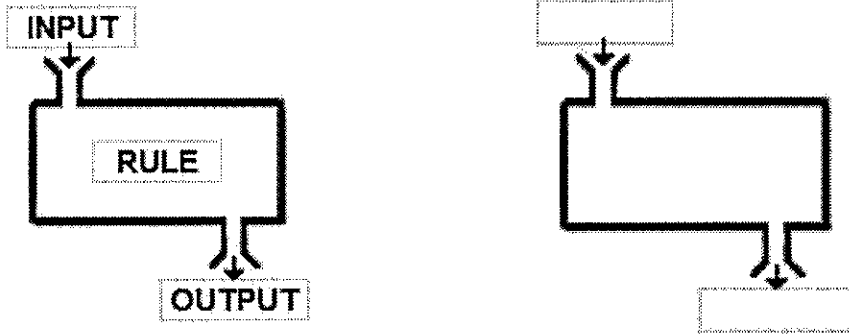
Examples

Non-examples

You can also determine if a _____ is a function by performing a _____
 _____. If the _____ intersects the relation in only
 one place, then the relation is a _____.



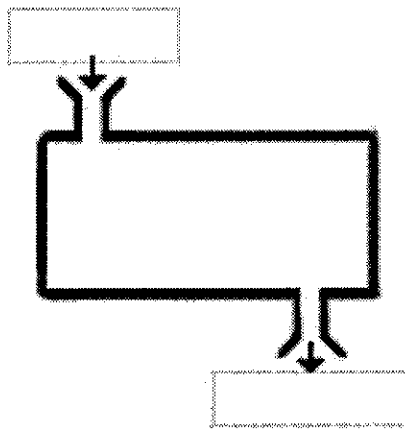
Function Notation: _____, you plug in various values for x .



EXAMPLES

If $f(x) = 3x - 4$ and $g(x) = 2x^2 + 3x$, find each value.

7. $f(-4)$



Summary: _____