# Class worksheet: Alg2H
Even / Odd functions
(book chapter 9, page 388)

$f(x) = x$

odd →

Type of Function: *Linear*
odd
Domain:
Range:

$f(x) = x^2$

Type of Function: *Quadratic*
Even
Domain:
Range:

$f(x) = x^3$

Type of Function: *Cubic*
odd
Domain:
Range:

$f(x) = |x|$

Type of Function: *Abs*
Even
Domain:
Range:

$f(x) = \sqrt{x}$

Type of Function: *Radical*
Neither
Domain:
Range:

$f(x) = 1/x$

Type of Function: *Rational*
odd.
Domain:
Range:

$f(x) = [\![x]\!]$
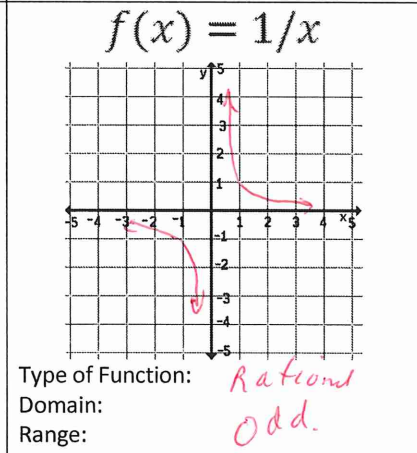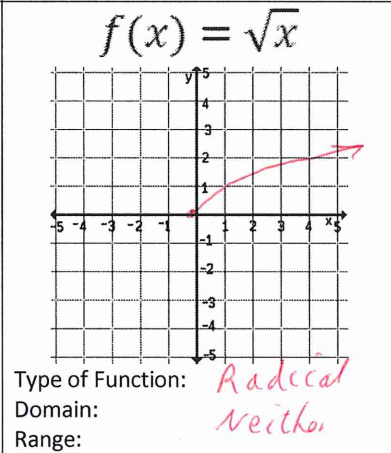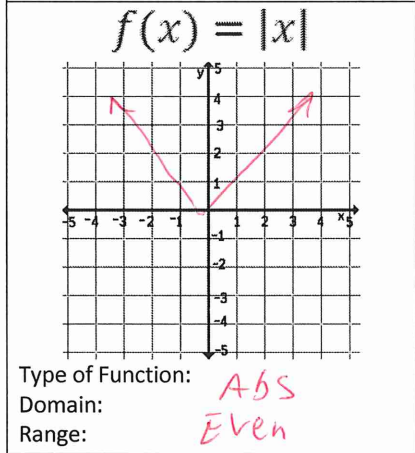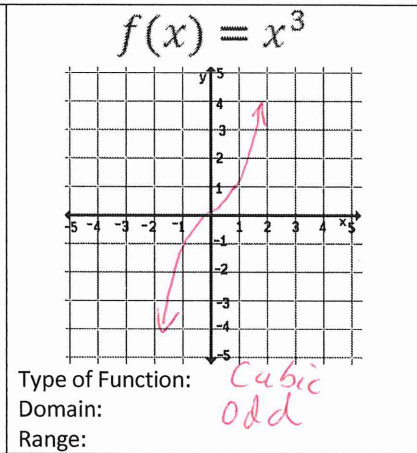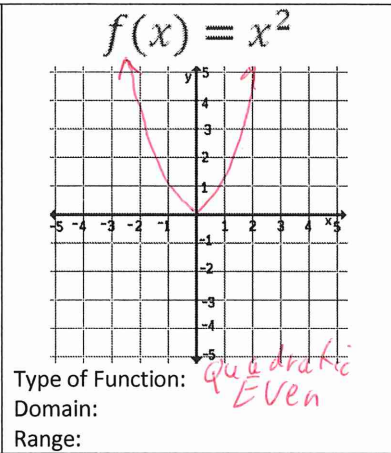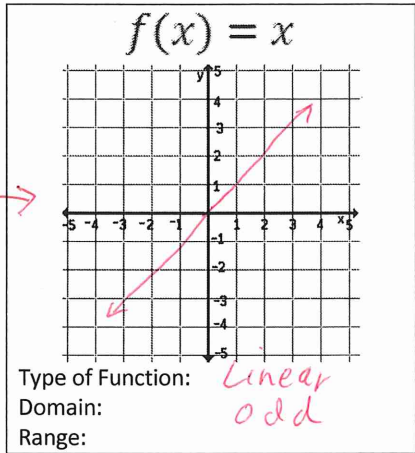
⌊ ⌋ →
greatest
integer
LESS
than

Type of Function: *Floor*
Neither
Domain:
Range:
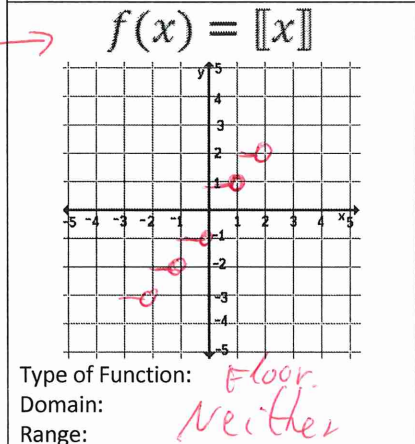
Even function: $f(-x) = f(x)$
for all x in Domain

Odd function: $f(-x) = -f(x)$
for all x in Domain

Symmetry