Section 2.4: contid

Wednesday, January 21, 2015 1:02 PM

Summary of translations: (translation means "shift"
rule: Consider the graph
$$y=f(x)$$

the graph of $y=f(x)+b$ is just the
graph of $y=f(x)$ shifted up by
"b" units
similarly, the graph $y=f(x)-b$ is just
 $y=f(x)$ shifted down by b
the graph $y=f(x)$ shifted right by d
the graph of $y=f(x)$ shifted right by d
the graph of $y=f(x)$ shifted up the
graph of $y=f(x)$ shifted up the
graph of $y=f(x)$ shifted up the
graph of $y=f(x)$ shifted up the
graph of $y=f(x)$ shifted up the
graph of $y=f(x)$ shifted up the
graph of $y=f(x)$ shifted up the
graph of $y=f(x)$ shifted up the

)

Section 1 Lectures Page 1



combining ideas:
sketch
$$f(x) : |-x|$$

T
Same as $f(x) : |x|$ because of
symmetry
sketch $f(x) : -1x| + 3$
Sketch $f(x) : |x+1| - 2$
y
x

(-1,-2)