



ثانوية التكنولوجيا التطبيقية
Applied Technology High School



Lesson 2.6 Special Functions

Done By :- Khaled Nasser
G10 – 05
Mrs.Amitha



Objectives:

Identify identity, piecewise, step, constant and absolute value.

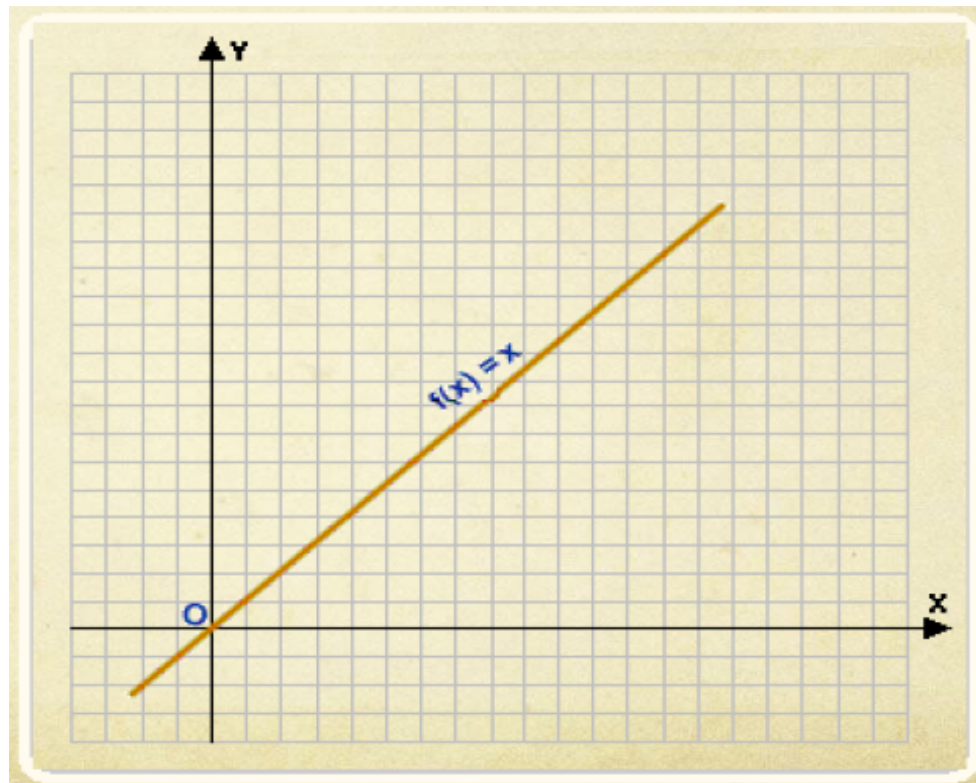


Special Functions

- Identity Function
- Constant Function
- Piecewise Function
- Step Function
- Absolute Value Function



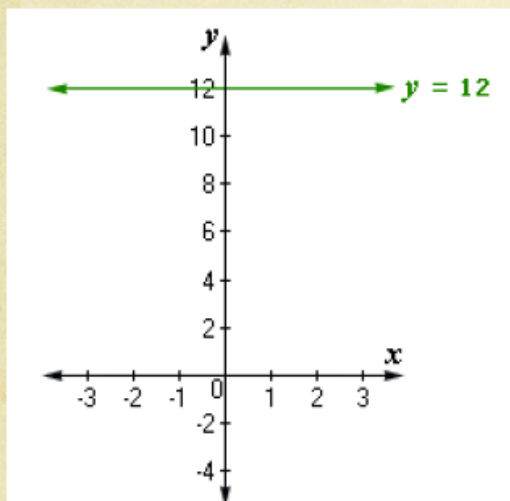
Identity Function $f(x) = x$



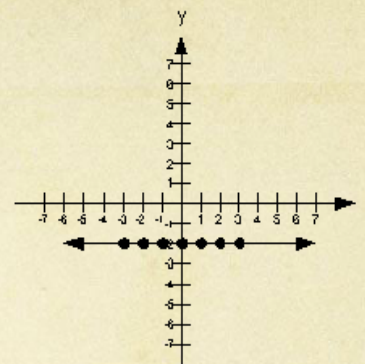


Constant Function

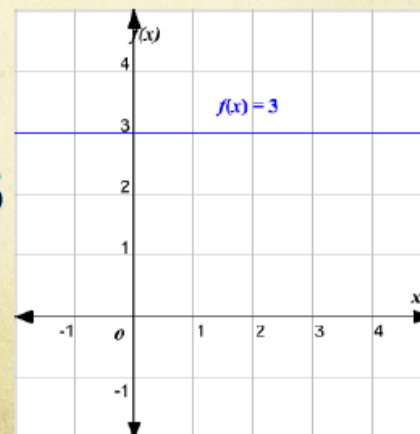
$$y = 12$$



$$y = -2$$

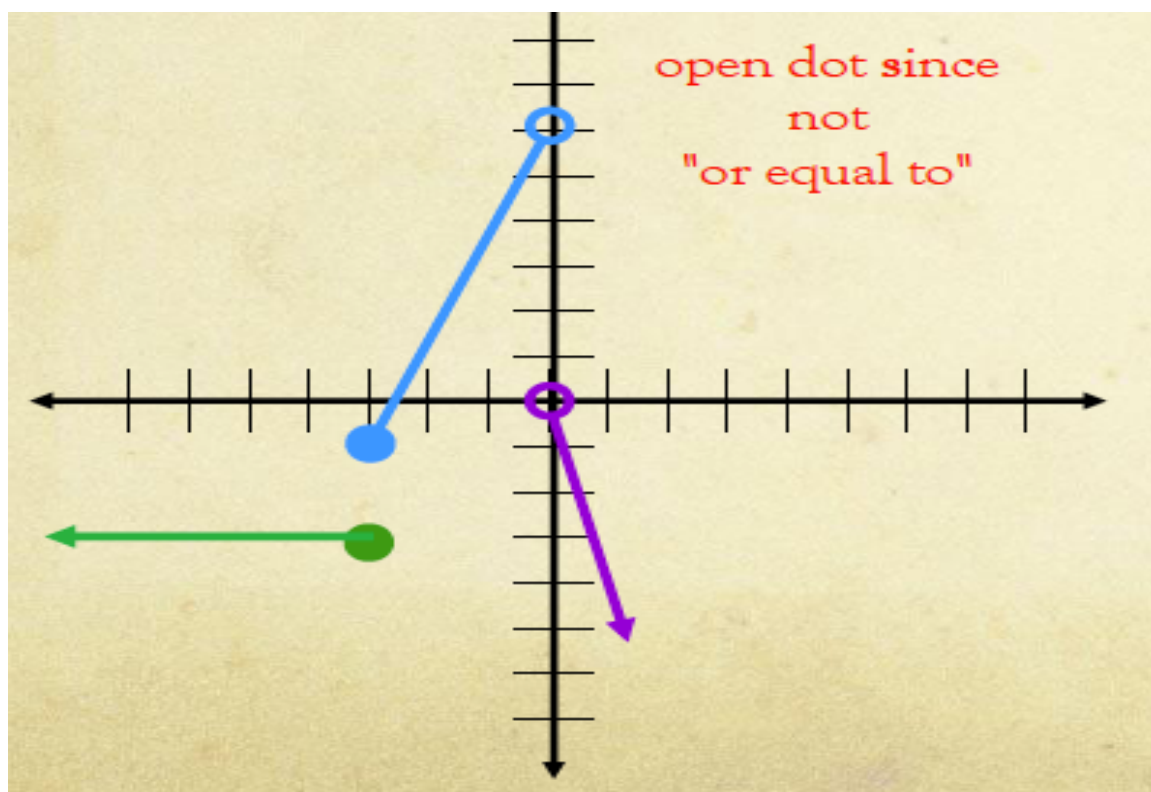


$$f(x) = 3$$



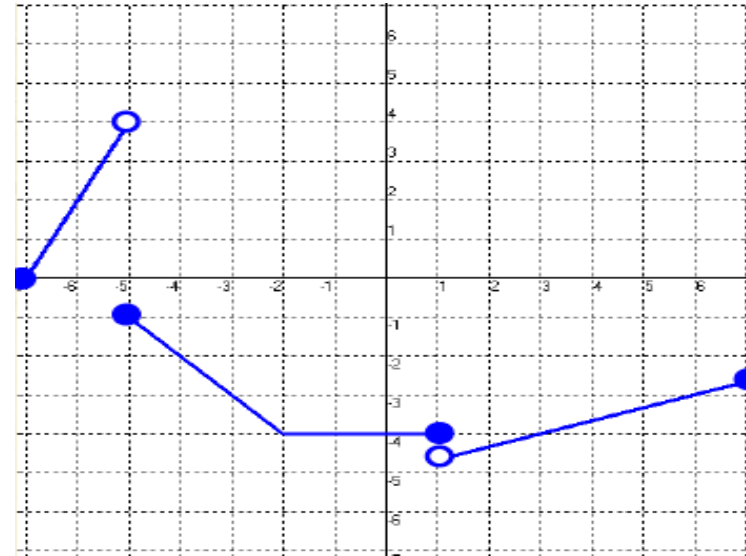
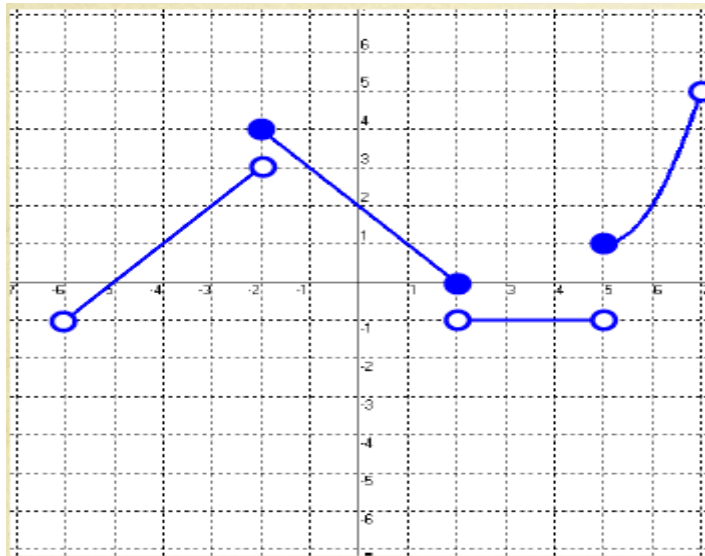


Piecewise Function



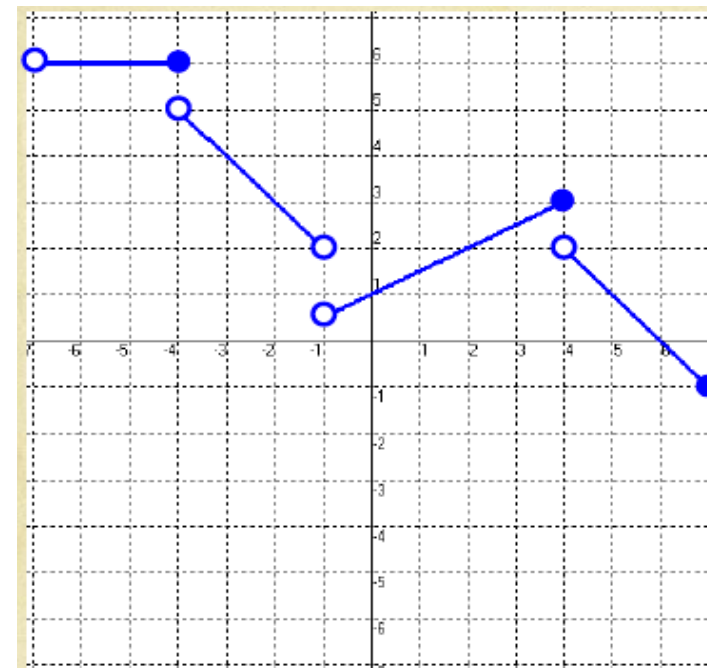
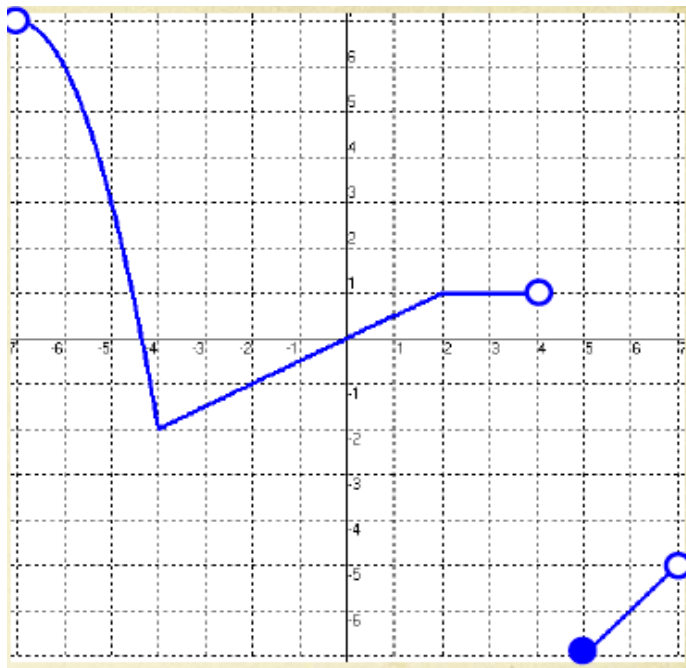


Piecewise Function





Piecewise Function



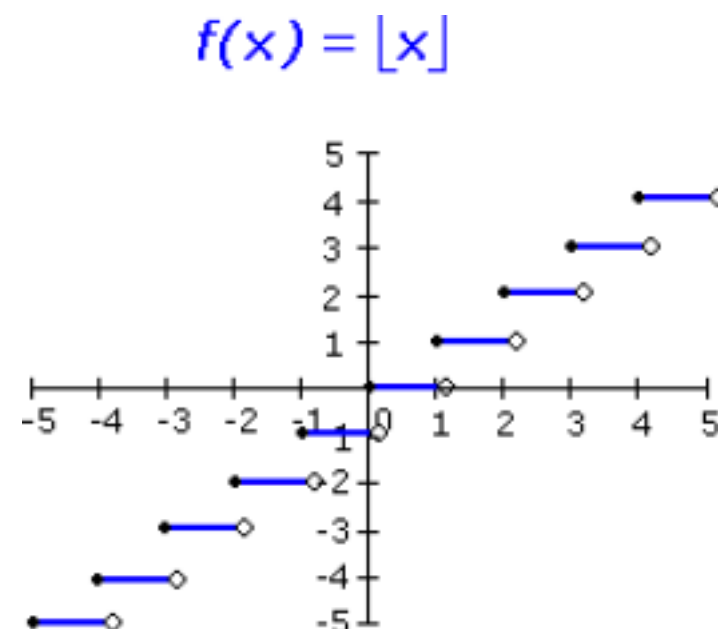
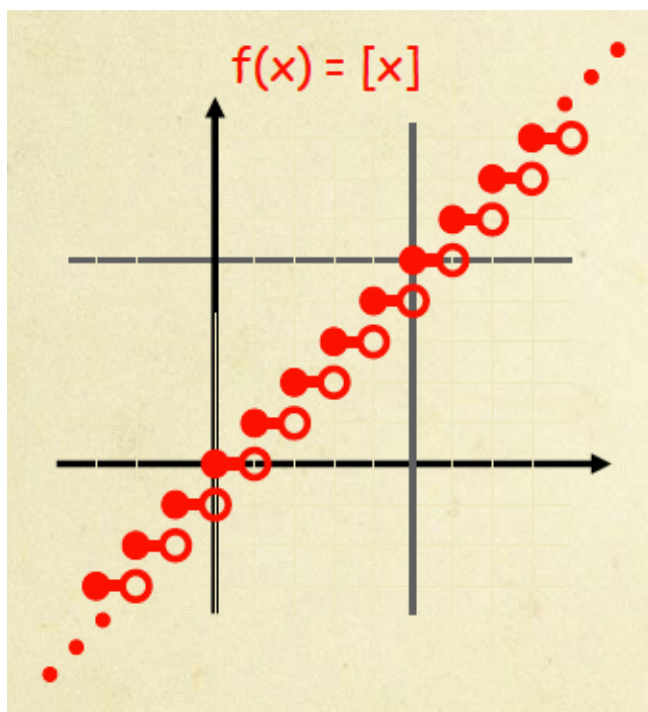
A

T

H

S

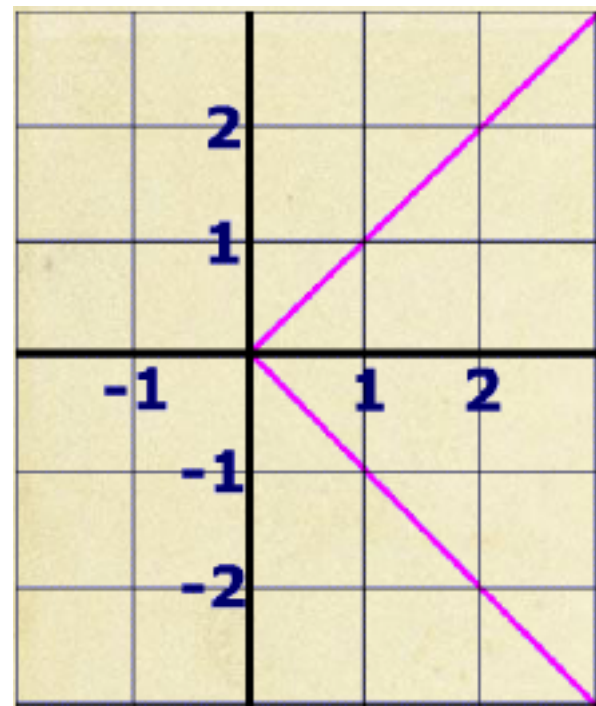
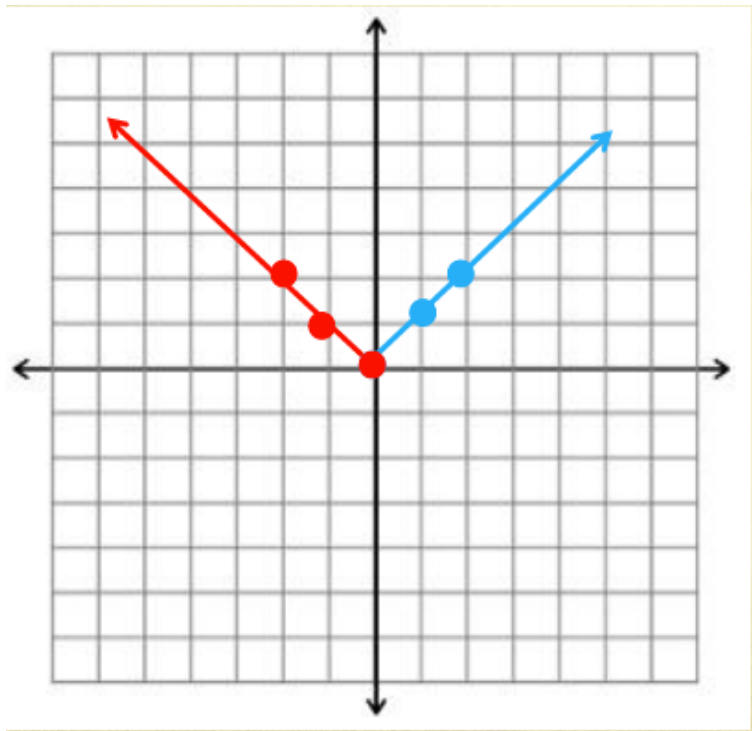
Greatest Integer Function or Step Function (STEP FUNCTION)





Absolute-Value Function

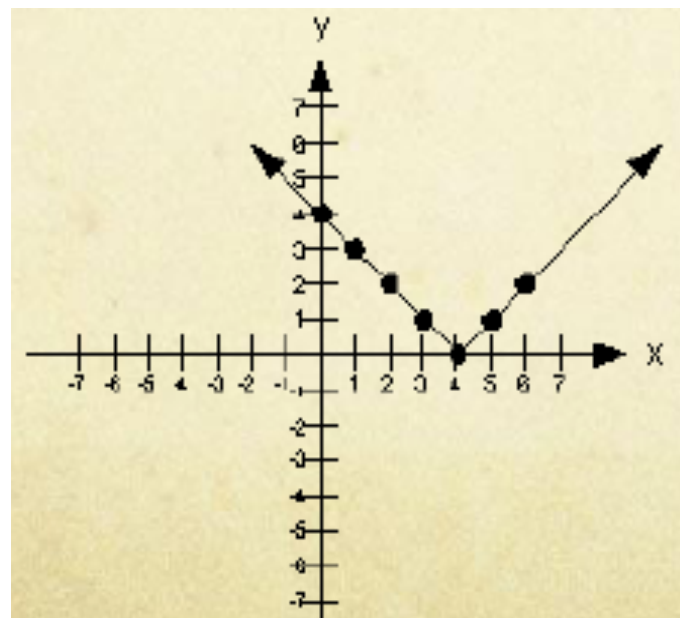
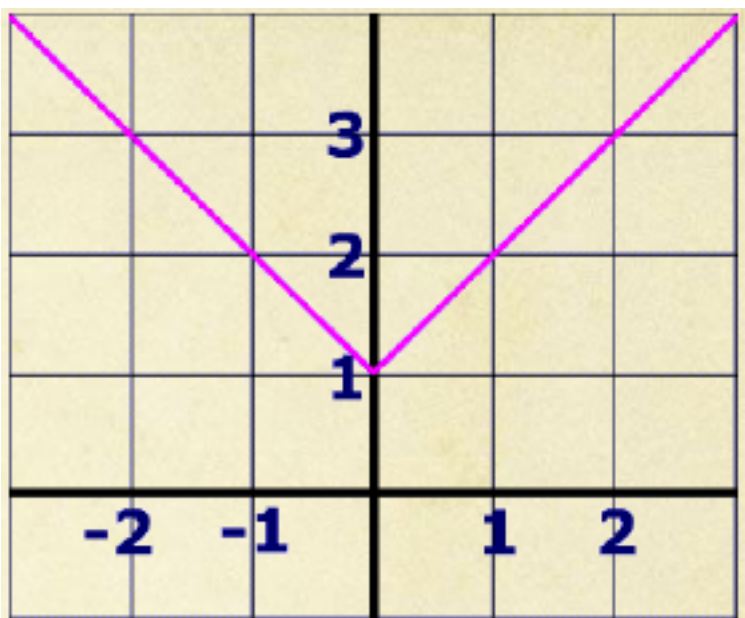
V-shape





Absolute-Value Function

V-shape





The end

Done By : Khaled Nasser Ahmed

G 10 – 05

Mrs. Amitha