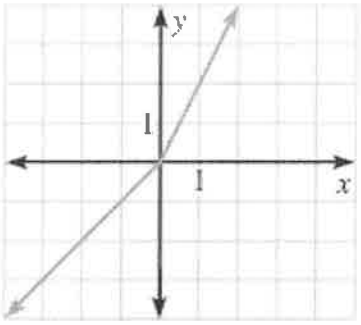
Name:_____ Class:_____ Date:_____

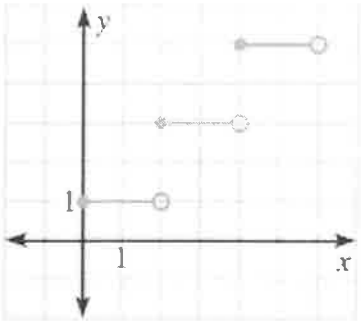
PreAP PreCalculus — Piece-Wise and Step Functions

WRITING PIECEWISE FUNCTIONS **Write equations for the piecewise function whose graph is shown.**

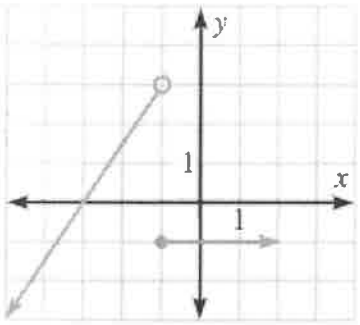
35.



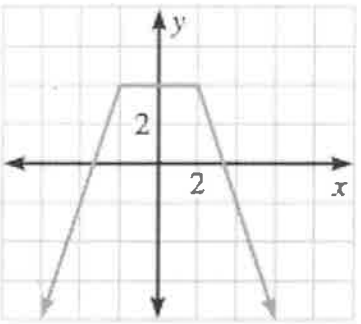
36.



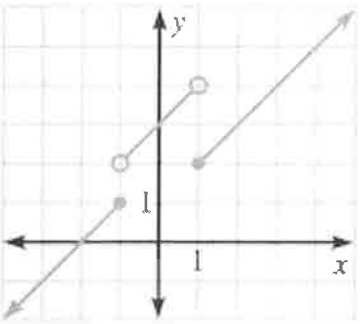
37.



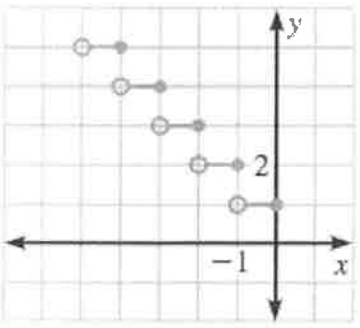
38.



39.



40.



GREATEST INTEGER FUNCTION **On many graphing calculators $[\![x]\!]$ is denoted by int(x). Use a graphing calculator to graph the function.**

41. $g(x) = [\![x]\!]$

42. $g(x) = [\![2x]\!]$

43. $g(x) = [\![x]\!] - 1$

44. $g(x) = [\![x + 3]\!]$

45. $g(x) = 6[\![x]\!]$

46. $g(x) = [\![3x]\!] + 4$

47. $g(x) = 4[\![x + 7]\!]$

48. $g(x) = -[\![x]\!]$

49. $g(x) = 3[\![x - 2]\!] + 5$

Sketch the answers to 41-49 on paper please.

p.38 (48-52) graph without the calculator!