1.6 A Library of Parent Functions

Name: Date: June 19, 2013

P 32. Graph

$$f(x) = 4 - 2\sqrt{x}$$

P 40. Graph

$$h(x) = 3 - |x|.$$

P 42. Graph

$$f(x) = |x - 1|$$

P 60. Graph

$$f(x) = \begin{cases} 1 - (x - 1)^2, & x \leq 2 \\ \sqrt{x - 2}, & x > 2 \end{cases}$$

P 64. Graph

$$k(x) = \begin{cases} 2x + 1, & x \leq -1 \\ 2x^2 - 1, & -1 < x \leq 1 \\ 1 - x^2, & x > 1 \end{cases}$$

$$k(x) = \begin{cases} 2x + 1, & x \leq -1 \\ 2x^2 - 1, & -1 < x \leq 1 \\ 1 - x^2, & x > 1 \end{cases}$$