

## Math 111: Final Review 7

1. A game downloading service charges \$15 to set up an account and \$4 per game for the first 10 downloads, and \$3 for any additional download. Find and graph the price as a function of the number  $n$  of games downloaded, for  $n \leq 20$ . Be careful – no one wants to buy just part of a game.

$$\text{price of } n \text{ games } g(n) = \begin{cases} 15 + 4n & \text{if } n \leq 10 \\ 55 + 3(n-10) & \text{if } 10 < n \leq 20 \end{cases}$$

