§7.2 Activity # 5   (12/12)

Understanding	Accuracy	Communication	Presentation	Total
2	a) 2 b) 2 c)2	2	2	12

5. Math Concepts: The following table displays housing prices for three types of houses in Monmouth, Oregon.

City Home	City Home	City Home	City Home	City Home	City Home
$180,000	$220,000	$150,000	$135,000	$147,000	$165,000
Luxury Home	Luxury Home	Country Home	Country Home	Country Home	Country Home
$375,000	$410,000	$200,000	$190,000	$220,000	$250,000

a. Pick a stratified sample of six houses from the data set and explain your procedure.
b. What is the difference between the median of the entire data set and the median of your stratified sample? Are either the median of the entire set or the median of a stratified sample a good indicator of housing prices in Monmouth?
c. What is the largest possible difference between the median of the entire data set and the median of any stratified sample of six houses?