11-7 Stem & leaf / display data / misleading stats ANS KE

HW: Display Data # 1-4, 10-12
Mislead Stats # 1-6

DD ① line plot - useful for showing frequency of data

② Bar graph - useful for comparing frequency for
several different categories

③ Stem & leaf plot - useful for displaying each data item

④ Double bar graph - useful to compare frequencies
for 2 set of data.

⑩ 29 buildings

⑪ shortest - 27 stories
tallest - 72 stories

⑫ median - 40
mean - 42.14

M.S. ① The 1st graph makes it look like the top movie
made far more b/c the y-axis #s are more
spread. starts @ 300 to 700

② C looks the same b/c the y-axis #'s are
not as spread apart 0-900.

③ The 2 graphs are the same height → #'s
on y-axis are different. The data on
Graph B looks more spread apart.

④ Graph B has a steeper sloping lines which cause
them to look like they incr. faster.

⑤ The picture makes it look larger but it goes
from 140 to 280 which is not 4x more.

(#6) answers will vary.