Name: _____ Per: _____

MATH PRACTICE

Week 24

Due: Thursday, 3/21

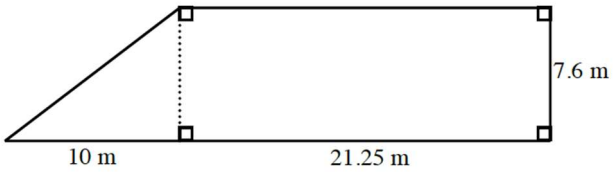
8-7. Mark's scores on his first nine assignments were: 10, 10, 9, 9, 10, 8, 9, 10, and 8. *(Calculator is Okay on this Problem)*

a) What are the median and range of his scores?

b) What is his mean (average) score so far? *(It's okay to use a calculator if you need to)*

c) Mark did not do the tenth assignment, so he got a zero on it. Zero is an outlier for these assignments. What is his new mean?

8-23. Find the area of the shape below. Show your steps.



8-22. Use <, >, or = to compare the number pairs below

a) 0.183 ____ 0.18

b) −13 ____ − 17

c) 0.125 ____ $\frac{1}{8}$

d) −6 ____ −4

e) 72% ____ $\frac{35}{30}$

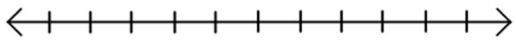
f) −0.25 ____ −0.05

7-118. Each April, wildflowers are commonly seen throughout Texas. The number of acres of wildflowers in this year could be estimated by the inequality $a - 30 \geq 110$. The variable a represents the number of acres of wildflowers.

a) Use **inverse operations** to find a solution to the inequality.

b) What is the boundary point? What does it look like, why?

c) Graph the solution (notes on NB page 44).



7-123. ELEVATOR CHALLENGE: Juan got on an elevator at the middle floor of a building, went up 4 floors, down 3 floors, up 1 floor, and down 9 floors, where he left the elevator on the ground floor.

a) How many floors are in the building?

b) Explain how you found the number of floors.