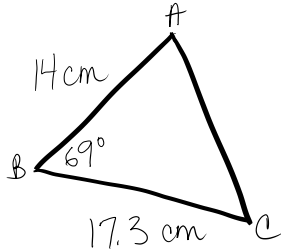


FOM – Flashback #3

- Determine the measure of each interior angle of a regular 12 sided polygon.

- Determine the unknown side length.



- Determine the standard deviation for the following set of data.

12	10	19
18	14	22
31	30	26
16	12	29

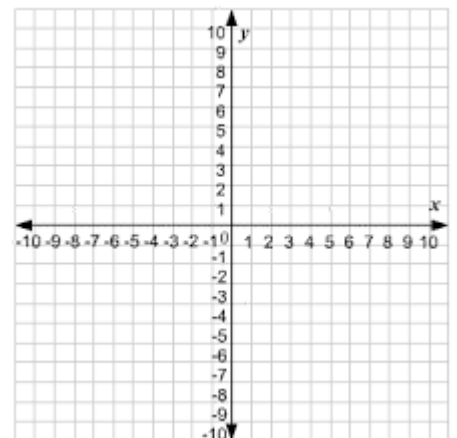
- If $\bar{x} = 23.4$ and $\sigma = 4.9$, what is the z score for someone who scored 28? What percent of the data were below this score?

- Determine which points are in the solution region and explain how you know.

$$x \geq 8$$

$$3y + x < 8$$

Points: (0,0) (8,-2) (-10, 15) (9,-10)



→ Positive leading coefficient

6. Show examples of how a "happy" quadratic equation could have no solutions, one solution or two solutions. Give an actual quadratic function that would go along with each situation..

7. If Mike is travelling 65 km/hr and Janet was traveling at 24 m/s, who is travelling slower? Show clearly how you know.

8. Solve the equation $3x^2 + 5x = 9$, give both exact and approximate solutions.