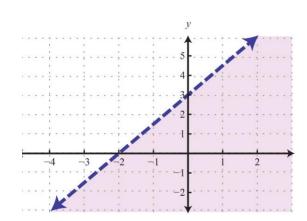
## Flashback #5

1. Which of the following attains a <u>minimum value</u> at (4, -1)?



2. Give the inequality that can be represented by the following graph.



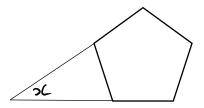
3. Given that the zeros of a quadratic function are -5 and 9, and the graph has a y-intercept of -90, what is the vertex of the function?

- 4. Factor  $20x^2 + 6x 8$
- 5. Describe the graph  $y = -3(x+5)^2 2$

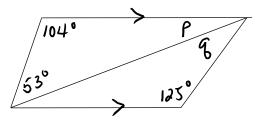
6. The average mass of golf balls produced at a factory is 45.6 grams 0.3 grams. The results are accurate 19 out of 20 times. Determine the confidence level, confidence interval and margin of error.

7. In triangle *ABC*, a = 24.1 cm, b = 18.3 cm and c = 22 cm. Determine the largest angle to the nearest tenth of a degree.

8. The diagram shows a regular pentagon and a triangle. The value of **x** and explain your reasoning.



9. Determine the missing angles and provide your reasoning.



 10. Consider:
 All clarinet players are musicians

 Fred is a clarinet player

What conclusion can be made? Can you prove it?