

**Direction:** Choose the letter that corresponds to the correct answer.

- 1) What is the smallest whole number that satisfies  $2x - 9 > 11$ 
  - a) 10
  - b) 11
  - c) 12
  - d) 13
  
- 2) Solve for the inequality  $10 - 3x < 2$ 
  - a)  $x > 8/3$
  - b)  $x < -8/3$
  - c)  $x > 3/8$
  - d)  $x < -3/8$
  
- 3) The sum of twice a number and 14 is at most 40. What is the largest possible value of the number?
  - a) 12
  - b) 13
  - c) 14
  - d) 15
  
- 4) Solve for the possible values of  $x$  in  $\frac{x}{4} - 2 < 0$ 
  - a)  $x > 8$
  - b)  $x < 8$
  - c)  $x > -8$
  - d)  $x < -8$
  
- 5) The total number of books that Carl and Adam own is less than 85. Carl has 5 more books than Adam. What is the largest possible number of books that Adam owns?
  - a) 35
  - b) 38
  - c) 39
  - d) 41



## Inequalities

*Practice Questions*



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***To God be the glory!***