

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**In 1 - 3, write the word sentence as an inequality.**

1. A number  $y$  plus 2 is greater than -5
  
2. A number  $s$  minus 2.4 is at least 8.
  
3. You plan to study for at least 1.5 hours for a geography test. (You can use any variable)
  
4. **MULTIPLE CHOICE:** The height of a truck on an expressway must be at most 8 feet tall. Which inequality represents this situation if  $t$  is the height of a truck?  
  
(A)  $t > 8$                       (B)  $t \leq 8$                       (C)  $t < 8$                       (D)  $t \geq 8$

**For each word problem below, (i) define the variable, (ii) write the inequality, (iii) solve the inequality, (iv) answer the question with a sentence.**

5. The sum of three consecutive integers is greater than 93. What are the smallest values for the three integers?
  
  
  
  
  
  
  
  
  
  
6. A taxi charges a flat rate of \$1.75 plus an additional \$0.65 per mile. If Erica has at most \$10 to spend on the cab ride, how far could she travel?
  
  
  
  
  
  
  
  
  
  
7. You want to rent a limousine for a trip into the city. The limousine costs \$700 for the night and \$0.15 per mile. You have only \$750 to spend. How many miles can the limousine travel?