



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

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

## Solve each word problem.

*Solve for  $x$ . Show your work.*

1. You need at least 205 points. Each test is worth 33 points. You have 143 points from 4 tests. How many more tests to pass?
2. A taxi charges \$5 plus \$4 per mile. You have \$31. What's the maximum distance you can travel?
3. A taxi charges \$5 plus \$4 per mile. You have \$24. What's the maximum distance you can travel?
4. You need at least 241 points. Each test is worth 36 points. You have 121 points from 4 tests. How many more tests to pass?
5. A phone plan costs \$30 per month plus \$7 per GB. You can spend at most \$62. How many GB can you use?
6. You need at least 202 points. Each test is worth 32 points. You have 125 points from 5 tests. How many more tests to pass?
7. A phone plan costs \$30 per month plus \$7 per GB. You can spend at most \$93. How many GB can you use?
8. A taxi charges \$4 plus \$4 per mile. You have \$35. What's the maximum distance you can travel?



## Solve each word problem. – Answer Key

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$x \geq 42$   
 $x \leq 4.8$

$x \geq 3$   
freshmath.org  $x \leq 0.8$