



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

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

## Equations Word Problems

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

1. A phone plan costs \$35 per month plus \$3 per GB. The total bill is \$47. How many GB were used?
2. A gym membership costs \$35 to join and \$19 per month. After 7 months, the total cost is \$168.
3. A taxi charges \$7 plus \$2 per mile. A 8-mile trip costs \$23. Verify the equation.
4. A taxi charges \$7 plus \$2 per mile. A 9-mile trip costs \$25. Verify the equation.
5. A gym membership costs \$57 to join and \$30 per month. After 11 months, the total cost is \$387.
6. A gym membership costs \$58 to join and \$27 per month. After 6 months, the total cost is \$220.
7. A phone plan costs \$20 per month plus \$8 per GB. The total bill is \$84. How many GB were used?
8. A taxi charges \$7 plus \$3 per mile. A 12-mile trip costs \$43. Verify the equation.



## Equations Word Problems – Answer Key

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$\text{Equation: } 7 + 2 \times 8 = 23$

$\text{Equation: } 7 + 2 \times 9 = 25$

$\text{Equation: } 7 + 3 \times 12 = 43$

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