

Name: _____

Problem Solving Using Equations

Solve each problem

- 1) State three consecutive integers if the greatest one is 4.
- 2) State three consecutive integers if the least one is -2 .
- 3) State three consecutive even integers if the least one is -4 .
- 4) State three consecutive odd integers if the least one is 13.
- 5) The sum of two consecutive integers is 17.
- 6) The sum of three consecutive even integers is 48.
- 7) The sum of two consecutive odd integers is -36 .
- 8) The sum of four consecutive integers is -46 .
- 9) Three times a number increased by 4 is -11 .
- 10) Seventeen decreased by twice a number is 5.
- 11) Find three consecutive integers whose sum is 114.
- 12) Find two consecutive even integers whose sum is 138.
- 13) Find two consecutive even integers whose sum is 194.
- 14) Twice a number increased by 20 is 62. Find the number.
- 15) Three times a number decreased by 11 is 58. Find the number.

- 16) Karen has 6 more than twice as many video games as her friend.
She has 98 video games. How many video games does her friend have?
- 17) A rectangular playground is 60 meters longer than it is wide. It can be enclosed by 920 meters of fencing.
Find its length.
- 18) Amer bought a used bike for \$8 more than half the original price. Amer paid \$40 for the bike. What was the original price?
- 19) A number increased by 5 less than twice itself is 415. Find the number.
- 20) Twice the greater of two consecutive odd integers is 13 less than three times the lesser. Find the integers.