Name: _____ Class: _____ Date: _____ ID: A

G10. Chapter 22. Warming up Activity 2.

Multiple Choice
Identify the choice that best completes the statement or answers the question.

____ 1. The sum of two integers is 14 and their product is 45. Select the equation that can be used to find the integers.

A) $n^2 + 14n + 45 = 0$
B) $n^2 - 14n + 45 = 0$
C) $n^2 + 14n - 45 = 0$
D) $-n^2 + 14n + 45 = 0$

____ 2. A rectangle has a length of x + 6 cm and a width of 2x – 1. It has an area of 132 cm2.

Select the equation that can be used to find the dimensions of the rectangle.

A) $2x^2 + 11x - 6 = 0$
B) $x^2 + 11x - 132 = 0$
C) $2x^2 + 11x - 138 = 0$
D) $2x^2 + 11x - 126 = 0$

____ 3. Leke, Vicki and Sam have $80 altogether. Leke has $12 more than Vicki and Sam has $7 less than Vicki. How much does each Vicki have?

A) $18
B) $25
C) $37
D) $42

____ 4. Given n = 8x + 7(2y – x).
Complete the rearrangement of this equation so that x is the subject!

A) $x = \frac{n - 14y}{7}$
B) $x = n - 24y$
C) $x = n - 14y$
D) $x = \frac{n - 7y}{14}$

____ 5. $c = (a + b)^2$, therefore ....

A) $a = \sqrt{c} - b$
B) $a = \sqrt{c - b}$
C) $a = \pm\sqrt{c} - b$
D) $\sqrt{c - b}$