Use substitution to determine which value is a solution of the equation.

1. $p + 14 = 22$

   $p = 7, p = 8, p = 9$

   _____

2. $53 = 27 + x$

   $x = 25, x = 26, x = 27$

   _____

3. $8.3 = 1.2 + 3.1 + 1.7 + x$

   $x = 2, x = 2.3, x = 3.3$

   _____

4. $36 \div 3 = c - 4.8$

   $c = 14.8, c = 16.8$

   _____

5. $\frac{y}{2} + 26 = 14 \cdot 2$

   $y = 4, y = 6$

   _____

6. $(m - 12) \cdot 2 = 56$

   $m = 20, m = 40$

   _____

Problem Solving

7. A farmer has 83 animals. Twelve are cows, 20 are sheep, and h represents the number of horses. Does the farmer have 50 or 51 horses? Use the equation $83 = 12 + 20 + h$ to identify which value makes the equation true.

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