Unit 7C Quiz 2 Part 1

Name:_____ Date:_____ P:___

Solve. Show all your work.

1. $2h - 18 = -10$

2. $3 = \frac{1}{5}k - 2$

3. $-24 + 3r = 9$

4. $3 + 2c = 12$

5. $-6 = -2x - 18$

6. $\frac{m}{-3} + 8 = 5$

7. Carlene has $300 in her wallet but she doesn't realize that she has a hole in her wallet! Every step she takes, she loses five dollars. How far will she walk before she only has $150 left in her wallet? Write a sentence explaining your solution.

Explanation: _____

_____

8. Mindy owns 20 pairs of shoes and every week she purchases two more pairs. How long will it take for her closet to have 50 pairs of shoes?

9. Tina's Tops is a new store that prints personalized T-shirts. She charges a $12 one-time fee for the design and $4 for each shirt.

Solve the equation 72 = 12 + 4x and explain what the solution tells you about the number of shirts printed and the cost.

Solution: _____

Explanation: _____

_____

Original

Unit 7C Quiz 2 Part 2: Solving Equations Multi-step

1) $5(x+8) = 35$

2) $27 = -25x + 18x - 8$

3) $-22 = 4(2x+2) - 2x$

____ 4. Solve. $6n + 40 = 2n$

____ 5. What is the value of p in the equation $10p + 2 - 2p = 4p - 10$?

6. Solve. $2h + 30 + 10h = 26 + 14h + 2$ Answer:_____