Chapter 7 Quiz 1 Homework Practice

Solve each equation using the variable isolation method. Check your solution!

1. $r + 9 = 16$ **2.** $18 = r + 8$ **3.** $16 = 11 + f$

4. $6 = c - 5$ **5.** $t - 7 = 19$ **6.** $5 = j - 8$

7. $t + 1.2 = 3.84$ **8.** $6.6 = w - 1.92$ **9.** $a - 3.2 = 25$

10 $m - \dfrac{3}{18} = \dfrac{11}{18}$ **11.** $w + \dfrac{2}{7} = \dfrac{5}{14}$ **12.** $\dfrac{2}{5} = \dfrac{2}{10} + k$

13. PROJECT Zaira spent 55 hours in 2 weeks working on a science project. She worked 32 hours the first week. Write and solve an addition equation to find the amount of time she spent working the second week.

14. BANK ACCOUNTS Keshav has $250 in his account. This is $75 more than his brother Nalin has in his account. Write and solve an addition equation to find the amount of money in Nalin's account.

15. PARASAILING A parasailer is attached by a cable to a boat and towed so that the parachute she is wearing catches air and raises her into the air. When the boat slows down to turn back toward the beach, the parasailer's chute catches less air and dips 25 meters. She must descend another 45 meters to return to the boat. Write and solve a subtraction equation to find her original height above the boat before the turn.

16. PARKS The Petrified Forest National Park in Arizona recently expanded their boundaries by 93,533 acres. The original acreage was 125,000. Write and solve a subtraction equation to find the new acreage of the park.