Solving Equations Using Inverse Operations   Name _____

Solve each of the following equations by using inverse operations. Show all work.

1. $x - 6 = 8$

2. $m + 4 = 13$

3. $7 \bullet v = 28$

4. $y \div 6 = 10$

5. $65 = t + 19$

6. $45 = n - 21$

7. $64 = 4 \bullet f$

8. $\dfrac{b}{8} = 4$

9. $r \div 11 = 11$

10. $19 + x = 81$

11. $h \bullet 8 = 8$

12. $z - 17 = 34$

Challenge:

13. $12 + x + 7 = 26$

14. $42 = 13 + x + 12$

15. $3x - 6 = 15$

Solving Equations Using Inverse Operations   Name ___Key___

Solve each of the following equations by using inverse operations. Show all work.

1. $x - 6 = 8$
$+6 \quad +6$
$\boxed{x = 14}$

2. $m + 4 = 13$
$-4 \quad -4$
$\boxed{m = 9}$

3. $7 \bullet v = 28$
$\div 7 \quad \div 7$
$\boxed{v = 4}$

4. $y \div 6 = 10$
$\bullet 6 \quad \bullet 6$
$\boxed{y = 60}$

5. $65 = t + 19$
$-19 \quad -19$
$\boxed{46 = t}$

6. $45 = n - 21$
$+21 \quad +21$
$\boxed{66 = n}$

7. $64 = 4 \bullet f$
$\div 4 \quad \div 4$
$\boxed{16 = f}$

8. $\dfrac{b}{8} = 4 \bullet 8$
$\boxed{b = 32}$

9. $r \div 11 = 11$
$\bullet 11 \quad \bullet 11$
$\boxed{r = 121}$

10. $19 + x = 81$
$-19 \qquad -19$
$\boxed{x = 62}$

11. $h \bullet 8 = 8$
$\div 8 \quad \div 8$
$\boxed{h = 1}$

12. $z - 17 = 34$
$+17 \quad +17$
$\boxed{z = 51}$

13. $12 + x + 7 = 26$
$x + 19 = 26$
$-19 \quad -19$
$\boxed{x = 7}$

14. $42 = 13 + x + 12$
$42 = x + 25$
$-25 \quad -25$
$\boxed{17 = x}$

Challenge:

15. $3x - 6 = 15$
$+6 \quad +6$
$3x = 21$
$\div 3 \quad \div 3$
$\boxed{x = 7}$