TRANSLATE AND SOLVE – DAY 3

Solve each equation. Check your answers on the calculator.

1. $42 = -2d + 6$ $d =$ _____	2. $3c + 5 = 20$ $c =$ _____
3. $\dfrac{3}{5}y + 5 = 7$ $y =$ _____	4. $30 = -2h - 4$ $h =$ _____
5. $\dfrac{4}{5}m = 8$ $m =$ _____	6. $10 = \dfrac{1}{2}y - 8$ $y =$ _____
7. $-30 = 6k$ $k =$ _____	8. $-13 = r + 7$ $r =$ _____

Write an equation for each situation, and then solve.

9. Ten decreased by twice a number is the same as -28. Find the number.

Equation:_____

10. The length of a rectangle is 3 more than 4 times the width. If the length of the rectangle is 27 feet, what is the width?

Equation:_____

11. Katie is sending flowers to her friend for her birthday. The florist is selling lilies for $0.60 each and the delivery fee is $7.50. She has $16.50 to spend on the flowers. How many flowers can she purchase for her friend?

Equation:_____

12. Mr. Gooding works at the local appliance store. His base salary is $360 a week plus an additional $\frac{1}{6}$ of his sales. If his total salary for the week is $570, what were his total sales for that week?

Equation:_____

13. Best Buy has a store brand TV for $700. This is $250 more than $\frac{1}{4}$ of the cost of a deluxe model that they also carry. What is the price of the deluxe model that Best Buy has in their store?

Equation:_____

Answers in random order: 1800, 19, -5, -18, 1260, 15, 10/3, 6, 10, 5, -17 , 36, -20