

# **Chapter 12 -Equations and Functions**

## **12.1 Writing Expressions and Equations**

**Pages- 629-635**

## Notes (12.1) Writing Expressions & Equations

Memorize key terms found on p. 629 \*

**\*Key idea\*** Whatever comes after the words **than, from, & to** must come **first** in the expression or equation.

~ Examples ~

5 less **than** 12  $\rightarrow$  12-5 (not 5-12)

subtract 3 **from** 7  $\rightarrow$  7-3 (not 3-7)

add 15 **to** 4  $\rightarrow$  4 + 15 (not 15 + 4)

p. 629



- 1) 16-d
- 2) 10 + n
- 3) h + 15
- 4) m - 10
- 5) g - 4

Guided practice

p. 630



- 7) 25  $\div$  x
- 8) 2x (notice no x sign)
- 9) 4 + n = 11
- 10) x  $\div$  96 = 8
- 11) 3p = 36 (# before variable)

$$13) t - 3 = 59$$

Guided Practice pp 631-632

$$3) x \div 9$$

$$4) x - 16$$

$$7) 20x$$

$$8) \textcircled{B} \quad x + 12$$

$$11) 6t = 42$$

$$13) t - 4 = 26$$

$$15) 9 + q = 15$$

$$17) 50 \div w = 10$$

$$25) 2 + (x \div 5) \text{--OR--} 2 + \frac{x}{5}$$

$$27) \left(2 + \frac{x}{3}\right) (y - 4)$$

$$29) \textcircled{C} \quad 8 + x = 24$$

$$31) \textcircled{D} \quad \frac{x}{8} = 24$$

$$45) 5(20+7) \\ 5 \cdot 20 = 5 \cdot 7 = 100 + 35 = \textcircled{135}$$

$$47) 6(30-4) \\ 6 \cdot 30 - 6 \cdot 4 \\ 180 - 24 \\ \textcircled{156}$$