## Bell Work: Copy the problem and only the correct answer.

## N-RN.1.1

An equation is shown below. Which statement *correctly* explains what is the missing value?

$$(4^2 \cdot 4^b \cdot 4^{-3}) = 4^{(2+b+\square)}$$

- A. The missing value is 3 because  $4^2 \cdot 4^b \cdot 4^{-3} = 4^{(2+b+3)}$
- B. The missing value is -1 because  $4^2 \cdot 4^b \cdot 4^{-3} = 4^{-6}$
- C. The missing value is -3 because  $4^2 \cdot 4^b \cdot 4^{-3} = 4^{(2+b-3)}$
- D. The missing value is -125 because  $4^2 \cdot 4^b \cdot 4^{-3} = 5^{(2+b+(-125))}$

 $ax^2 + bx + c$   $ac \mid b$ 

1. Make a t-chart

2. Identify a, b, c

3. Multiply a t c

4. b will go on

the right side

5. Find factors

6. Identify factors

that add together

to equal sum

7. Divide factor by a

Factoring Trinomials (a = 1)

Factor each completely.

1) 
$$b^{2} + 8b + 7$$
 $C = 7$ 
 $C = 7$ 

7) 
$$m^{2} + 2m - 24$$
 $C = -24$ 
 $C = -24$ 

4) 
$$n^{2} + 4n - 12$$

$$-\frac{12}{2(6)} \frac{4}{6-2}$$

$$\frac{6-2}{11} \frac{3-4}{6-2}$$

$$(n+6)(n-2)$$

$$a^{2}-11a+18$$
 $18 - 11$ 
 $2(1) - 2 - 9$ 
 $(\alpha-2)(\alpha-9)$