(#1-4) Number Sets & Closure.

1. State a number which is an integer but not a whole number. any negative integer

-2

- **3.** TRUE or FALSE. Negative integers are closed $\hat{P}: Ne_{B-}$ ication? If FALC. $-2 \times -4 = 8$ \uparrow positive
 integer
 "60 under multiplication? If FALSE, provide a counter example.
- 2. State a number that is a whole number but not an integer.

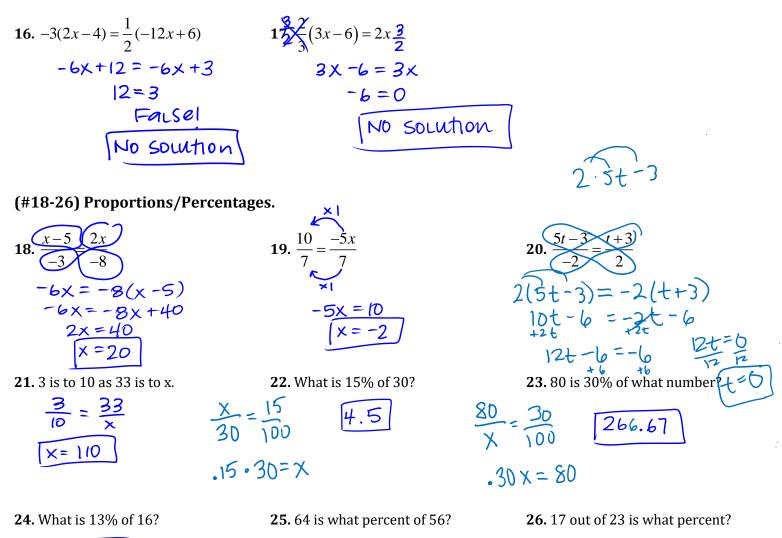
Name:

4. TRUE or FALSE: Rational numbers are closed under subtraction. If FALSE, provide a counter example.

(#5-9) Order of Operations Review. Simplify the expressions.

7. $\frac{16-4\div4}{20\div4} = \frac{16-1}{5} = \frac{15}{5} = 3$ **5.** $7 \bullet 6 + 5 \div 5$ 6. $5 - (7 - (2 - 4)^2)$ $5 - (7 - (-2)^2)$ 5 - (7 - 4)42 +5 ÷5 8. $3 - [8 + (3 - 5)^{2}]$ $3 - [8 + (-2)^{2}]$ 3 - [9 + 4]**9.** $15 \div 5 + (5+3) \div 4$ $15 \div 5 + 8 \div 4$ $3 + 8 \div 4$ 3-12 3+2 B (#10-17) Solving Linear Equations. Solve the equation for the given variable Check your answer!

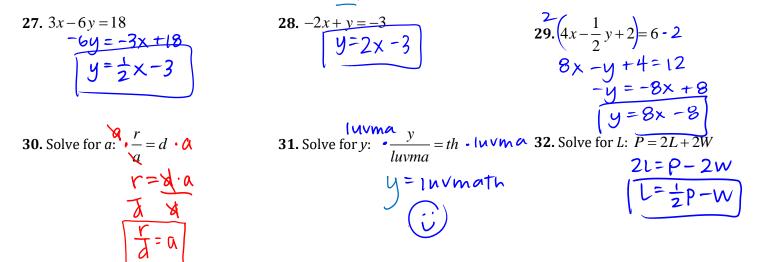
(#10-17) Solving Linear Equations. Solve the equation for the given variable. Check your answer!		
10. $5x - 2(4x + 3) = 9$	11. $4y - (y - 4) = -20$	12. $3x - 2(3x + 3) = 9 - 3x - 15$
5x - 8x - 6 = 9	4y-y+4=-20	3x-6x-6=9-3x-15
-3x -6=9 -3x =15	3y+4=-20	-3x-6 = -3x - 6
x = -5	3y = -24 $y = -8$	-6=-6 TRUE! (all real #5]
13. $2x - 2 = 4x + 6$	14. $9x - 8 + 4x = 7x + 16$	15. $-2(x-1)+5x=2(2x-1)$
-2x - 2 = 6	3x-8=7x+16	$^{-2x+2+5x} = 4x - 2$
-2x = 8 [x = -4]	6x = 24	3x+2=4x-2
x 4	(<u>×=4</u>	-X = -4



2.08

74%

(#27 – 32) Solving Literal Equations. Solve for y in terms of x.



114%

Don't forget about Applications (word problems) ... they'll be on the test, too! 🕲