_____   _____
Name   Period

1. Identify the equation that demonstrates the inverse property of addition:

a) $5*\dfrac{1}{5}=1$ (b) $5+0=5$ (c) $7-7=0$ (d) $0*8=0$

2. Identify the equation that demonstrates the identity property of addition:

a) $x*1=x$ (b) $2+1=3$ (c) $7-7=0$ (d) $0*8=0$

3. Identify the equation that demonstrates the identity property of multiplication:

a) $3y-3y=0$ (b) $5m+m=6m$ (c) $5x*(1)=5x$ (d) $a+b=b+a$

4. Identify the equation that demonstrates the inverse property of multiplication:

a) $25\div4=\dfrac{25}{4}$ (b) $12x*\dfrac{1}{12x}=1$ (c) $5*0=0$ (d) $\dfrac{5m}{5m}=0$

5. Does an expression have a solution? (Explain why or why not)

6. What is the difference between and "unknown value" and a "variable"?

7. Why is an expression NOT a mathematical statement?

8. What math symbols should you look for in order to identify a math statement?

9. Give an example of a <u>trinomial</u>:

10. What does it mean to say that two equations are equivalent?

11. Update your portfolio to include the vocabulary words were covered in Lesson 1-1.

12. Update your portfolio to include the four mathematical properties we covered.