Exponents/Equations Test Review

**Use exponent rules to rewrite the following with only *one* exponent.**

1. $4b^{2}∙8b^{5}$ 2. $\frac{9a^{4}}{3a}$ 3. $\frac{2}{3}c^{2}∙3c^{8}$

**Use the distributive property to simplify the expression.**

4. 3(2n + 8) 5. 6(p – 10)

6. -4(7h + 5) 7. -2(9e – 12)

8. What is the inverse of subtraction?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. Which operation would you use to solve $\frac{h}{4}$ = 2? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Solve each equation for the variable. Check your solution**

10. $2x=90$ check 11. $x+3=17$ check

12. $\frac{g}{3}=-5$ check

**Solve each equation for the variable. Check your solution.**

13. $2a-8=22$ check 14. $-8+3x=34$ check

15. $2.7h+1.9=271.9$ check 16. $12-r=14$ check

17. $2a+17+2=-2$ check 18. $2\left(u-6\right)=14$ check

19. $-25=-5(v+7)$ check 20. $2=2(p+7)$ check