1. Name the property illustrated by the equation $9 \times 1=9$
2. Name the sets of numbers to which $\frac{9}{5}$ belongs
3. Name the sets of numbers to which 15 belongs.
4. Select the algebraic expression that represents the verbal expression: the difference of nine and a number.
5. Which equation could be used to solve the following problem? The product of 3 times a number and 7 is 31 . Find the numbers.

Solve each inequality.
6. $-2 w+8 \geq 16$
7. $2 x-3 \leq 5$ or $2-x<1$
8. $-2 \leq 4 y+2 \leq 10$
9. $|m+3|>8$
10. Graph the solution set of $4>b+1$.

Evaluate the expression if $a=2, b=-\frac{3}{4}$ and $c=1.8$
11. $1.5 \mathrm{c}-7 \mathrm{~b}$
$12-9(a-6)$
13. Simplify 7a+3b-4a-5b

Solve each equation below.
14. $\frac{3}{2} x=8$
15. $3(4 x-8)=2 x+7$
16. $|x-1|=15$ 17. $-5|x+2|=20$
18. Jack is five years younger than his brother. The difference of their ages is 14 . Find Jacks age.
19. To receive a A in his Math class, Steve must have an average score of at least 90 on five tests. He scored $99,89,92$, and 84 on his first four tests. What must he score on the last test to receive a $A$ in the class?
20. David earns $\$ 5.60$ an hour working at Target. Each week, $25 \%$ of his total pay is deducted for taxes. If David wants his take-home pay to be at least $\$ 105$ a week, solve the inequality $5.6 x-0.25(5.6 x) \geq 105$ to determine how many hours he must work.

