

Name: _____

Date: _____

Algebra I

Directions Solve for the missing variable.

1. If $p = 4s$, find s when $p = 20$.
2. If $a = s^2$, find s when $a = 121$.
3. If $p = a + b + c$, find c when $p = 60$, $a = 20$, and $b = 15$.
4. If $D = RT$, find R when $D=80$ and $T=1/2$.
5. If $A = \frac{1}{2}bh$, find h when $A = 36$ and $b = 6$.
6. If $F = \frac{9}{5}C + 32$, Find C when $F = 176$.
7. $C = \frac{5}{9}(F - 32)$, find C when $F = 86$.
8. $p = 2L + 2W$, find L when $P = 48$ and $W = 6$.

Directions: Solve for x or y in the given equation and check.

9. $x + a = b$

10. $2a + z = 14x$

11. $a + b + x = c$

12. $4y - 2c = 5b$

13. $y - b = 8$

14. $cx = 15c$

15. $y - 6 = b$

16. $q = 2y + 2w$

17. $\frac{x}{4} = 2b$

18. $\frac{2x}{3} = \frac{4a}{2b}$

19. $3x - a = c$

20. $7y - c = b$