

NAME: _____

FORM: _____

Algebra

Solving for an Unknown Variable

INSTRUCTIONS: Solve the following equations to find the value of the unknown variable.

1) $x - 4 = 5$ $x =$ _____

2) $\frac{r}{2} = 6$ $r =$ _____

3) $11y = 55$ $y =$ _____

4) $10g + 4 = 5$ $g =$ _____

5) $2x = -54$ $x =$ _____

6) $8m - 4 = 20$ $m =$ _____

7) $10a + 40 = 100$ $a =$ _____

8) $\frac{w}{3} + 1 = 5$ $w =$ _____

9) $6c - 12 = 48$ $c =$ _____

$$10) \frac{k}{5} - 26 = 19 \quad k = \underline{\hspace{2cm}}$$

BONUS QUESTIONS

$$1) \frac{8x}{3} - 9 = 7 \quad x = \underline{\hspace{2cm}}$$

2) Ronald is x years old.

His friend Colin is 3 years older than Ronald.

Colin is 19 years old.

(a) Write down an equation for this information.

(b) Solve your equation to find how old Ronald is.
