

## Practice Skills Test

Name: \_\_\_\_\_

Solve the following equations. No calculators allowed. Show all work. Place answers in blank provided.

<p>1. <math>A = \frac{C}{3}(A + B)</math>, solve for <math>A</math></p> <p>_____</p>	<p>4. <math>\sqrt{x+12} - x = 0</math></p> <p>_____</p>
<p>2. <math>(3x - 9)^2 = 10</math></p> <p>_____</p>	<p>5. <math>\frac{1}{2}(3x - 6) = \frac{1}{4}(x + 9)</math></p> <p>_____</p>
<p>3. <math>(n + 4)(n - 3) = 10</math></p> <p>_____</p>	<p>6. <math>2 - \frac{1}{y-2} = \frac{y-3}{y-2}</math></p> <p>_____</p>

7.  $5(r-6) = 3[2-(5-r)]$

\_\_\_\_\_

9.  $\sqrt[3]{5-x} = -2$

\_\_\_\_\_

8.  $L = Bx - \frac{5}{2L}$ , solve for  $B$

\_\_\_\_\_

10.  $\frac{2}{a-5} + \frac{1}{a+5} = \frac{11}{a^2-25}$

\_\_\_\_\_