Name _____   Date _____

Practice C
For use with pages 104–111

Solve the equation. Write a reason for each step.

   1. $-12x = 28 - 16x$

   2. $7(x - 11) = 12x - 122$

   3. $4(3x + 6) = 5(x - 5)$

   4. $-11(x + 3) + 18 = (8 - 3x)\,7$

Solve the equation for *r*. Write a reason for each step.

   5. $s = 7r - 33$

6. $s = 8(2r - 5)$

7. $s = 5\left(\dfrac{3}{r - 5}\right)$

Use the property to complete the statement.

8. Multiplication Property of Equality: If $RS = TU$, then $x(RS) = $ __?__.

9. Division Property of Equality: If $3(m\angle 1) = m\angle 2$, then $m\angle 1 = $ __?__.

10. Transitive Property of Equality: If $a = bc$ and $bc = de$, then __?__.

11. Substitution Property of Equality: If $x = 3c$ and $r = 5x + 7$, then __?__.