

3.1**Challenge Practice**

For use with pages 119–124

Solve the equation. Check your solution.

1. $-8.2a + 6.7 = -5.6$

2. $-12.9 + 7.4x = 35.2$

3. $3.5 + \frac{m}{7.5} = 7.7$

4. $3.9 - \frac{c}{2.2} = -0.2$

5. A CD club is selling CDs for \$7.50 each. The charge for shipping the CDs to your home is \$5. How many CDs can you buy for \$50?
6. You are at a book sale where all paperback books are \$3 each. You have \$25, but you need \$2 to ride the bus home. How many paperback books can you buy at the sale?

Write the verbal sentence as an equation. Then solve the equation.

7. Eighteen minus the quotient of a number and 4 is 54.
8. The quotient of a number and 8 subtracted from 25 is 20.
9. Solve $7 = \frac{x-4}{5}$. Explain how you solved the equation and how you know your solution is correct.