

Name _____ Date _____ Class _____

LESSON **2-8** **Practice A**
Two-Step Equations with Rational Numbers

Describe the operation performed on both sides of the equation in steps 2 and 4.

1. $3x + 2 = 11$

$3x + 2 - 2 = 11 - 2$ _____

$3x = 9$

$\frac{3x}{3} = \frac{9}{3}$ _____

$x = 3$

2. $\frac{x}{4} - 1 = -2$

$\frac{x}{4} - 1 + 1 = -2 + 1$ _____

$\frac{x}{4} = -1$

$4\left(\frac{x}{4}\right) = 4(-1)$ _____

$x = -4$

Solve.

3. $2x + 0.3 = 0.9$

4. $\frac{x}{3} - 1 = 5$

5. $-3a + 4 = 7$

6. $\frac{x}{3} + \frac{2}{5} = -\frac{3}{5}$

7. $5y - 2 = 28$

8. $2x - 7 = 7$

9. $\frac{w}{2} - \frac{2}{3} = -\frac{1}{3}$

10. $2r + 1 = -1$

Write and solve a two-step equation to answer the question.

11. Pearson rented a moving van for 1 day. The total rental charge is \$66.00. A daily rental costs \$45.00 plus \$0.25 per mile. How many miles did he drive the van?
