

NAME _____ DATE _____ PER. _____

SOLVING EQUATIONS WITH VARIABLES ON BOTH SIDES - Day 2

Solve each equation, checking your solution on your calculator.

1. $5(2 + n) = 3(n + 6)$

2. $4w - 3w + 2w = 2.4$

3. $5u + 5(1 - u) = u + 8$

4. $40 = 2x - 7$

5. $3(5f + 2) - f = 2(f - 3)$

6. $5n + 1 = 5n - 1$

7. $3(y - 7) = 27$

8. $7 - 3x = x - 4(2 + x)$

9. $6r - 2(2 - r) = 4(2r - 1)$

10. $\frac{x}{5} - 9 = 3$

11. A house-painting company charges \$376 plus \$12 per hour. Another house painting company charges \$280 plus \$15 per hour. How long is a job for which both companies will charge the same amount? What will that cost be?

Equation: _____

12. Students receive 25% off the regular ticket prices at Schlitterbahn. If the discounted ticket is \$44.25, write an equation that could be used to find the regular price, r . (Do not solve.)

Equation: _____

Answers Bank for 1-11: \emptyset , \mathcal{R} , 0.8, 60, \emptyset , 16, 32, 23.5, 4, 760, -3, -1