Lesson 2.5 Practice: Literal Equations and Formulas

School Launch · Algebra I · Unit 2: Solving Linear Equations · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Solve $P = 2l + 2w$ for w. EASY

2. A music teacher charges a $52 registration fee plus $6 per lesson. Lydia paid $76 in all. How many lessons did Lydia take? EASY

3. Solve $V = Bh$ for h. EASY

4. Solve $y = mx + b$ for x. MEDIUM

5. Solve $C = 2\pi r$ for r. MEDIUM

6. Solve $ax + by = c$ for y. MEDIUM

7. Solve $A = \frac{1}{2}bh$ for h. MEDIUM

8. Solve $A = \frac{1}{2}h \cdot (a + b)$ for h. HARD

9. Solve $A = P + Prt$ for P. HARD

10. Solve $F = \frac{9}{5}C + 32$ for C. HARD