Lesson 9.2 Practice: Evaluating Expressions

School Launch · Pre-Algebra · Unit 9: Variables and Expressions · 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. Evaluate $7x + 10$ when $x = 3$. EASY

2. Evaluate $5x + 12$ when $x = -6$. EASY

3. Evaluate $5x + 2$ when $x = -6$. EASY

4. Evaluate $x^2 - 3x + 6$ when $x = -6$. MEDIUM

5. Evaluate $x^2 - 4x + 1$ when $x = 8$. MEDIUM

6. Evaluate $x^2 - 4x + 1$ when $x = 7$. MEDIUM

7. Evaluate $x^2 - 6x + 5$ when $x = -1$. MEDIUM

8. Evaluate $\frac{2x^2 - y}{2} + xy$ when $x = 7$ and $y = 3$. HARD

9. Evaluate $\frac{2x^2 - y}{2} + xy$ when $x = -5$ and $y = 5$. HARD

10. Evaluate $\frac{2x^2 - y}{2} + xy$ when $x = -1$ and $y = 3$. HARD