Real-World Order of Operations

Independent Set 4.07

Name_____
Date_____
Period_____

Six questions, on your own, in silence. Show the step that does the work.

1. $6x^2$ when $x = -2$

2. $\frac{1}{2}mv^2$ when $m = 90$ and $v = 4$

3. $\frac{a^2 - b}{c}$ when $a = 9$, $b = 6$, $c = 5$

4. A square room of side 10 feet is carpeted at 2.65 dollars a square foot, with a flat 55 dollars for fitting. Find the total cost.

5. $2(x + y)^2 - 3$ when $x = 4$ and $y = 1$

6. A gym charges 25 dollars to join plus 8 dollars for each of 6 classes. Find the total cost.