Equations with Like Terms and the Distributive Property

Independent Set 11.01

Name_____
Date_____
Period_____

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

1. Solve: $9h - 2h + 4 = 60$

2. Solve: $4(2n + 3) - 5 = 47$

3. Solve: $30 - 4(v - 3) = 14$

4. Solve: $0.5(4x + 6) + x = 18$

5. A pottery class costs $30 to sign up and $15 a session. Maya has paid $135 in all. How many sessions has she paid for?

6. Lee solved $20-2(x+3)=8$. Line 1: $20-2x+6=8$. Line 2: $26-2x=8$. Line 3: $x=9$. Which line has the mistake? What is the correct solution?