

Name _____ Date _____ Period _____

Solving Equations with Justifications

Solve each equation. Justify each step.

Properties:

Addition Property of Equality
Division Property of Equality

Subtraction Property of Equality
Multiplication Property of Equality

Square Root Property of Equality

1) $x + 8 = 26$

2) $m - 9 = -13$

3) $8x = -104$

4) $\frac{b}{18} = -6$

5) $x^2 = 144$

6) $x^2 = 225$

7) $\frac{x}{4} + 2 = 6$

8) $9x - 7 = -7$

9) $144 = -12x - 60$

10) $x^2 + 15 = 211$