Name: _____   Date: _____

Properties of Equalities

Identify the property of equality that justifies each missing step or equation in each of the following tables.

1.

Equation	Steps
1. $3x + 12 = 8x - 18$	Given
2. $12 = 5x - 18$	
3.	Addition Property of Equality
4. $6 = x$	

2.

Equation	Steps
1. $3k + 5 = 17$	Given
2. $3k = 12$	
3.	Division Property of Equality

3.

Equation	Steps
1. $-6a - 5 = -95$	Given
2.	
3.	

4.

Equation	Steps
1. $3(5x + 1) = 13x + 5$	Given
2.	
3.	
4.	
5.	

5.

Equation	Steps
1. $7y - 84 = 2y + 61$	Given
2.	
3.	
4.	

6.

Equation	Steps
1. $4(5n + 7) - 3n = 3(4n - 9)$	Given
2.	
3.	
4.	
5.	
6.	