

Assignment #6

Algebraic Proofs

Name: _____ Date: _____ Period: _____

1. If $4x + 8 = 20$ then $x = 3$

Statements	Reasons

2. If $8 + \frac{2x}{6} = 3x - 24$ then $x = 12$

Statements	Reasons

3. $5x - 8 = \frac{x}{3} + 20$ then $x = 6$

Statements	Reasons

4. If $2(x + 4) - 6 = 3x - 8$ then $x = 10$

Statements	Reasons

5. $4\left(\frac{x}{2} - 5\right) = -x + 7$ Then $x = 9$

Statements

Reasons

6. $3(x - 5) + 2 = -4x - 1 + x$ Then $x = 2$

Statements

Reasons

7. $-2\left(\frac{4x}{3} - 5\right) + 8 = -2(x + 5) + 18$ then $x = 15$

Statements

Reasons