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NAME: _____

PERIOD: _____ DATE: _____

Identifying One, None, Infinite Solutions

Practice Worksheet A

1 Practice Problems

State whether each equation has One Solution, No Solution, or Infinite Solutions.

1) $12x + 6 = 2x - 24$

2) $3x + 15 = 3x + 15$

3) $-x + 15 = 17 - 2x$

4) $3x + 18 = 3(x - 6)$

5) $-3x - 9 = 5x - 9 - 8x$

6) $-5x + 32 - 4x = 30 - 9x$

7) $3x + 7 - 5 = 4x + 2 - x$

8) $4(x + 2) = 2(x + 4)$

NAME: Answer Key

PERIOD: _____ DATE: _____

Identifying One, None, Infinite Solutions

Practice Worksheet A

1 Practice Problems

State whether each equation has One Solution, No Solution, or Infinite Solutions.

1) $12x + 6 = 2x - 24$

one

2) $3x + 15 = 3x + 15$

infinite

3) $-x + 15 = 17 - 2x$

one

4) $3x + 18 = 3(x - 6)$

none

5) $-3x - 9 = 5x - 9 - 8x$

infinite

6) $-5x + 32 - 4x = 30 - 9x$

none

7) $3x + 7 - 5 = 4x + 2 - x$

infinite

8) $4(x + 2) = 2(x + 4)$

one