## Unit 5 Lesson 15: Solving More Systems

### 1 Algebra Talk: Solving Systems Mentally (Warm up)

#### Student Task Statement

Solve these without writing anything down:

### 2 Challenge Yourself

#### Student Task Statement

Here are a lot of systems of equations:

A

B

C

D

E

F

G

H

I

J

K

L

1. Without solving, identify 3 systems that you think would be the least difficult to solve and 3 systems that you think would be the most difficult to solve. Be prepared to explain your reasoning.
2. Choose 4 systems to solve. At least one should be from your "least difficult" list and one should be from your "most difficult" list.

### 3 Five Does Not Equal Seven

#### Student Task Statement

Tyler was looking at this system of equations:

He said,  "Just looking at the system, I can see it has no solution. If you add two numbers, that sum can’t be equal to two different numbers.”

Do you agree with Tyler?



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