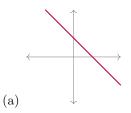
Readiness Assurance Test

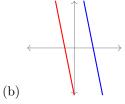
Choose the most appropriate response for each question.

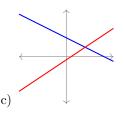
1) Which of these graphs represents the following system of linear equations?

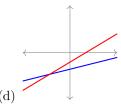
$$x + 2y = 4$$

$$2x - 3y = 1$$

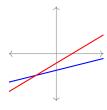








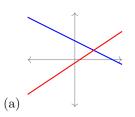
2) How many solutions are there for the system of linear equations represented by the following graph?

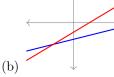


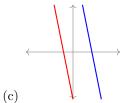
- (a) One
- (b) Two
- (c) Zero
- (d) Infinitely-many
- 3) Which of these graphs represents the following system of linear equations?

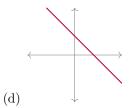
$$3x + 3y = 6$$

$$x + y = 2$$

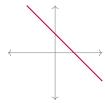




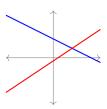




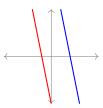
4) How many solutions are there for the system of linear equations represented by the following graph? (This graph represents two completely overlapping lines.)



- (a) Zero
- (b) One
- (c) Two
- (d) Infinitely-many
- 5) How many solutions are there for the system of linear equations represented by the following graph?



- (a) Zero
- (b) One
- (c) Two
- (d) Infinitely-many
- 6) How many solutions are there for the system of linear equations represented by the following graph? (This graph represents two non-overlapping parallel lines.)



- (a) Zero
- (b) One
- (c) Two
- (d) Infinitely-many

7) Solve the following system of linear equations.

$$y = 2x + 5$$
$$y = -x + 2$$

- (a) (x,y) = (-1,3) (b) (x,y) = (4,-2)
- tions.
- (c) There are no solu- (d) There are infinitelymany solutions.
- 8) Solve the following system of linear equations.

$$y = 3x + 5$$
$$y = 3x + 2$$

- (a) (x,y) = (3,4) (b) (x,y) = (-5,1)
- (c) There are no solu- (d) There are infinitelytions.
 - many solutions.

9) Solve the following system of linear equations.

$$x + 2y = 4$$

$$2x - 3y = 1$$

- (a) There are no solu- (b) There are infinitely- (c) (x,y)=(-1,4) (d) (x,y)=(2,1) tions.
- 10) Solve the following system of linear equations.

$$4x - 8y = 12$$
$$-6x + 12y = -18$$

(a) There are no solu- (b) There are infinitely- (c) (x,y)=(3,3) (d) (x,y)=(-2,1) tions.