

Quiz: Graphing Linear Systems

Solve the following system of equations graphically.

1. $y = 1 - 2x$
 $y = -1$

2. $2y = 2x - 10$
 $y = -4$

3. $y = x + 6$
 $y = 2$

4. $y = 5x + 8$
 $y = 3$

5. $y = 4 - 3x$
 $y = 2 - x$

6. $y = 5x + 7$
 $y = 2$

Find the area by drawing given lines on graph paper.

7. $y = x + 4$
 $y = 3$
 $x = 2$
 $y = -2$

8. $y = 3x + 7$
 $y = -2$
 $y = 3$
 $x = 3$

Prepare a graph and find where the lines intersect.

9.

| | | | |
|---|----|----|---|
| x | 0 | 1 | 2 |
| y | -2 | -1 | 0 |

| | | | |
|---|---|---|---|
| x | 2 | 2 | 2 |
| y | 0 | 1 | 2 |

10.

| | | | |
|---|---|----|----|
| x | 2 | 3 | 4 |
| y | 2 | -1 | -4 |

| | | | |
|---|---|---|---|
| x | 0 | 1 | 2 |
| y | 0 | 1 | 2 |

| | | | | | | | | | | | |
|------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Circle # Correct | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Percentage Score | 0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100% |