DoodleBeez Worksheets

Grade 8 | Math

Name: Date: Score: / 8

Systems of Equations

Two equations, two unknowns. Worksheet 1 of 50

Solve each system. Use substitution or elimination.

1. $x + y = -3$ and $1x - 4y = -8$
   x = _____ y = _____

2. $x + y = 7$ and $3x - 4y = -21$
   x = _____ y = _____

3. $x + y = -4$ and $4x - 4y = -8$
   x = _____ y = _____

4. $x + y = 11$ and $2x - 3y = -18$
   x = _____ y = _____

5. $x + y = -2$ and $2x - 1y = -13$
   x = _____ y = _____

6. $x + y = 2$ and $3x - 1y = -2$
   x = _____ y = _____

7. $x + y = 6$ and $1x - 3y = 2$
   x = _____ y = _____

8. $x + y = -5$ and $1x - 2y = -5$
   x = _____ y = _____

ANSWER KEY

Systems of Equations (answers)

Two equations, two unknowns. Worksheet 1 of 50

Solve each system. Use substitution or elimination.

1. $x + y = -3$ and $1x - 4y = -8$
   x = **−4** y = **1**

2. $x + y = 7$ and $3x - 4y = -21$
   x = **1** y = **6**

3. $x + y = -4$ and $4x - 4y = -8$
   x = **−3** y = **−1**

4. $x + y = 11$ and $2x - 3y = -18$
   x = **3** y = **8**

5. $x + y = -2$ and $2x - 1y = -13$
   x = **−5** y = **3**

6. $x + y = 2$ and $3x - 1y = -2$
   x = **0** y = **2**

7. $x + y = 6$ and $1x - 3y = 2$
   x = **5** y = **1**

8. $x + y = -5$ and $1x - 2y = -5$
   x = **−5** y = **0**