**System Of Equations**

1. Solve each system algebraically by substitution or elimination.

1. (b)

(c) (d)

2. The difference between two integers is 12. The square of the larger integer, minus 30

times the second integer, is equal to 360.

1. Write a system of equations to model the problem.

(b) Solve your system to find the possible integers.

Answer key

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| 1. (a) (-1, -4) and (4, 6) (b) (1, -1) and (3, 3) | (c) (1, -4) (d) (-1, 0) and (-9, 256) |
| 2. 30 and 18 |  |