



3.5 Puzzle Time

What Do You Get When You Cross A Rocket Ship With A Potato?

Write the letter of each answer in the box containing the exercise number.

Solve the system by graphing, substitution, or elimination.

1. $y = 2$

$$y = x^2 - 14$$

2. $y = -2x + 1$

$$y = -x^2 + 10$$

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

$$y = 2x^2 + 2x + 4$$

4. $2x^2 - 6x - y = -12$

$$-2x + y = 12$$

5. $3x^2 + 4x - y = 7$

$$2x - y = -1$$

6. $-x + y = 4$

$$x^2 + y = 3$$

7. $x^2 + y^2 = 100$

$$y - x = 2$$

Answers

U. $(0.5, 5.5)$ and $(1, 8)$

P. about $(4.16, -7.32)$ and
about $(-2.16, 5.32)$

N. $(-2, -3)$ and $(\frac{4}{3}, \frac{11}{3})$

K. $(-8, -6)$ and $(6, 8)$

S. $(-4, 2)$ and $(4, 2)$

D. $(0, 12)$ and $(4, 20)$

I. no solution

1	2	3	4	5	6	7
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