KEY

Solve a nonlinear system of equations.

1. $(1, 1), (2, 4)$

2. $(3, 9), (-1, 1)$

3. $(-2, -6), (2, -2)$

4. $(-2, 5), (1, 2)$

5. $(5, 13), (-3, -3)$

6. $(-2, 8), \left(\dfrac{11}{4}, \dfrac{89}{4}\right)$

7. $\left(\dfrac{7 - 3\sqrt{5}}{2}, 3 - 6\sqrt{5}\right), \left(\dfrac{7 + 3\sqrt{5}}{2}, 3 + 6\sqrt{5}\right)$

8. $\left(\dfrac{2 - \sqrt{112}}{6}, \dfrac{17 - \sqrt{112}}{3}\right), \left(\dfrac{2 + \sqrt{112}}{6}, \dfrac{17 + \sqrt{112}}{3}\right)$