

1 Random Fractions:

1. $\frac{5}{17}$
2. $\frac{1}{16}$
3. $\frac{3}{9}$

2 Random 2x2 Linear Equations:

1.
$$\begin{cases} 9x + 2y = 1 \\ 3x + 4y = 8 \end{cases}$$
2.
$$\begin{cases} 1x + 8y = 6 \\ 4x + 8y = 4 \end{cases}$$
3.
$$\begin{cases} 3x + 6y = 10 \\ 7x + 6y = 9 \end{cases}$$

3 Random Quadratic Equations:

1. $2x^2 + 3x + 1 = 0$
2. $4x^2 + 2x + 8 = 0$
3. $4x^2 + 9x + 9 = 0$

4 Random Quadratic Equations (Equal Roots):

1. $2x^2 + 4x + 2.0 = 0$
2. $8x^2 + 10x + 3.125 = 0$
3. $10x^2 + 8x + 1.59999 = 0$