***Приложение 5***

**1.** $\left\{\begin{array}{c}x-2y=0,\\xy=32.\end{array}\right.$

**2.** $\left\{\begin{array}{c}\left(x+1\right)(2y-1)=0,\\2y^{2}+x-y=5.\end{array}\right.$

**3.** $\left\{\begin{array}{c}2x^{2}+y-10=0,\\-x^{2}+2y=0.\end{array}\right.$

**4.** $\left\{\begin{array}{c}y=\frac{12}{x},\\x+7=2y+9.\end{array}\right.$

**5.**$\left\{\begin{array}{c}x^{2}-2y-2=0,\\x^{2}+2y=0.\end{array}\right.$

**6.** $\left\{\begin{array}{c}x^{2}=y^{2}-3y,\\\left(x+2y\right)(x+y+2)=0.\end{array}\right.$

**7.** $\left\{\begin{array}{c}\left(\frac{x}{y}\right)^{2}-5\frac{x}{y}=-6,\\7x+6y=540.\end{array}\right.$

**8.** $\left\{\begin{array}{c}\left(x+1\right)^{2}+\left(y-1\right)^{2}=20,\\\left(x+1\right)\left(y-1\right)=8.\end{array}\right.$

**9.C помощью графиков уравнений определить сколько решений имеет система уравнений:**

$$\left\{\begin{array}{c}x^{2}+y^{2}=16\\x+y=0.\end{array}\right.$$