

5-5 Solving and Classifying Special Systems

Date _____ Period _____

Solve and classify each system.

1)
$$\begin{aligned} 6x - 12y &= 8 \\ -3x + 6y &= -6 \end{aligned}$$

2)
$$\begin{aligned} x + 7y &= -22 \\ 6x - 10y &= 24 \end{aligned}$$

3)
$$\begin{aligned} -2x + 7y &= -12 \\ 2x + 4y &= 12 \end{aligned}$$

4)
$$\begin{aligned} -3x - y &= 20 \\ 3x + y &= -20 \end{aligned}$$

5)
$$\begin{aligned} y &= 3x + 17 \\ y &= 2x + 12 \end{aligned}$$

6)
$$\begin{aligned} y &= -5x + 12 \\ y &= -3x + 6 \end{aligned}$$

7)
$$\begin{aligned} y &= 3 \\ 8x + 6y &= 18 \end{aligned}$$

8)
$$\begin{aligned} -4x + 2y &= -2 \\ y &= 2x - 4 \end{aligned}$$

9)
$$\begin{aligned} -2x + y &= 5 \\ 2x - y &= -5 \end{aligned}$$

10)
$$\begin{aligned} -x - 8y &= -16 \\ -3x + y &= -23 \end{aligned}$$