

Solve Systems by Substitution

Date _____ Period _____

Solve each system by substitution.

$$\begin{aligned} 1) \quad y &= -3x + 5 \\ -8x - 8y &= 8 \end{aligned}$$

$$\begin{aligned} 2) \quad 3x - y &= 8 \\ y &= 1 \end{aligned}$$

$$\begin{aligned} 3) \quad y &= -2x \\ -6x - 3y &= -8 \end{aligned}$$

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

$$\begin{aligned} 5) \quad y &= -7 \\ y &= 6x + 23 \end{aligned}$$

$$\begin{aligned} 6) \quad y &= 7 \\ y &= 7x \end{aligned}$$

$$\begin{aligned} 7) \quad 2x + 7y &= -5 \\ x - 8y &= -14 \end{aligned}$$

$$\begin{aligned} 8) \quad x - 3y &= -19 \\ 3x + 6y &= 3 \end{aligned}$$

Answers to Solve Systems by Substution (ID: 1)

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|---------------------------------|---------------|----------------|
| 1) $(3, -4)$ | 2) $(3, 1)$ | 3) No solution |
| 4) Infinite number of solutions | 5) $(-5, -7)$ | 6) $(1, 7)$ |
| 7) $(-6, 1)$ | 8) $(-7, 4)$ | |