

Algebra I

7-2

Solving Systems: The Substitution Method

Solve by the substitution method.

$$\begin{aligned} 1) \quad & y = 6x \\ & x + y = 28 \end{aligned}$$

$$\begin{aligned} 2) \quad & 3x + 1 = y \\ & 2x + 3y = 25 \end{aligned}$$

$$\begin{aligned} 3) \quad & 2r + 3s = 0 \\ & r + 5 = 6s \end{aligned}$$

$$\begin{aligned} 4) \quad & c - d = 8 \\ & \frac{c}{5} = d + 4 \end{aligned}$$

Assignment:

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4-16 even,

20-28 even,

31-33 all.