

# Homework

Finish the application problems by solving with substitution

p.164: 5, 6, 9-11

**SUBSTITUTION METHOD** Solve the system using the substitution method.

5. 
$$\begin{aligned} 6x - 2y &= 5 \\ -3x + y &= 7 \end{aligned}$$

6. 
$$\begin{aligned} x + 4y &= 1 \\ 3x + 2y &= -12 \end{aligned}$$

9. 
$$\begin{aligned} 3x + 2y &= 6 \\ x - 4y &= -12 \end{aligned}$$

10. 
$$\begin{aligned} 6x - 3y &= 15 \\ -2x + y &= -5 \end{aligned}$$

11. 
$$\begin{aligned} 3x + y &= -1 \\ 2x + 3y &= 18 \end{aligned}$$