Practice #8 (Nelson Chap 1.3)

Extending

17. **a)** Solve the linear system $3x - y - 11 = 0$ and $x + 2y + 1 = 0$.

b) Show that the line with the equation $9x + 4y - 19 = 0$ passes through the point where the lines in part a) intersect.

c) Determine the values of c and d if $9x + 4y - 19 = 0$ is written in the form $c(3x - y - 11) + d(x + 2y + 1) = 0$.

18. Solve the linear system $y = 2x - 1$, $4x - 3y = 7$, and $6x + y + 17 = 0$.

19. Solve each system of equations.

a) $y = 2x^2$
$y = -3x + 5$

b) $y = \sqrt{x}$
$y = x - 1$