

HOMEWORK 9 Term 4 Sheet 7 advanced

1. Solve:

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

2.

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

3.

$$\begin{aligned}2x + 8y &= 3 \\2x + 3y &= 2\end{aligned}$$

4.

$$\begin{aligned}2x + y &= 9 \\-2x + 3y &= -5\end{aligned}$$

5.

$$\begin{aligned}6y - 4x &= 13 \\5x + 3y &= 10\end{aligned}$$

6.

3 adults + 2 children
costs \$10.50.
6 adults + 1 child
costs \$16.50.

$$\begin{aligned}a &= \\c &= \end{aligned}$$

7. Solve:

$$x^2 = 25$$

$$4x^2 = 36$$

8. Solve using NFL

$$x(x-3) = 0$$

$$(x-5)(x+4) = 0$$

$$(2x-1)(3x-2) = 0$$

9.

Solve:

$$x^2 - 6x = 16$$