

2.9.16 Short slot quiz on systems of linear equations on Thursday.

6) $-1(x + y = -9)$ $x + 2y = -25$

$$\begin{array}{r} -x - y = 9 \\ x + 2y = -25 \\ \hline y = -16 \end{array}$$

According to the system of equations above, what is the value of x?

$$\begin{array}{r} x - 16 = -9 \\ +16 \quad +16 \\ \hline x = 7 \end{array}$$

- 7) At a lunch stand, each hamburger has 50 more ^{- addition} calories than each order of fries. If 2 hamburgers and 3 order of fries have a total of 1700 calories, how many calories does a hamburger have?

hamburgers = H $H = f + 50$
french fries = F

$$2H + 3f = 1700$$

$$2(f + 50) + 3f = 1700 \quad f = 320$$

$$2f + 100 + 3f = 1700 \quad \boxed{H = 370}$$

$$\begin{array}{r} 5f + 100 = 1700 \\ -100 \quad -100 \\ \hline 5f = 1600 \end{array}$$

$$\begin{array}{r} 5f = 1600 \\ \hline f = 320 \end{array}$$