

Wednesday, May 15, 2019

Warm-up

NONE

Questions...

Objective: I will review content to be prepared for the final exam.

Unit 5: Systems of Equations
Linear + Non Linear

Unit 6: Trigonometry

Unit 7: Probability

10 burritos , 15 tacos \$25

20 burritos , 8 tacos \$32

$$-2(10b + 15t = 25)$$

$$20b + 8t = 32$$

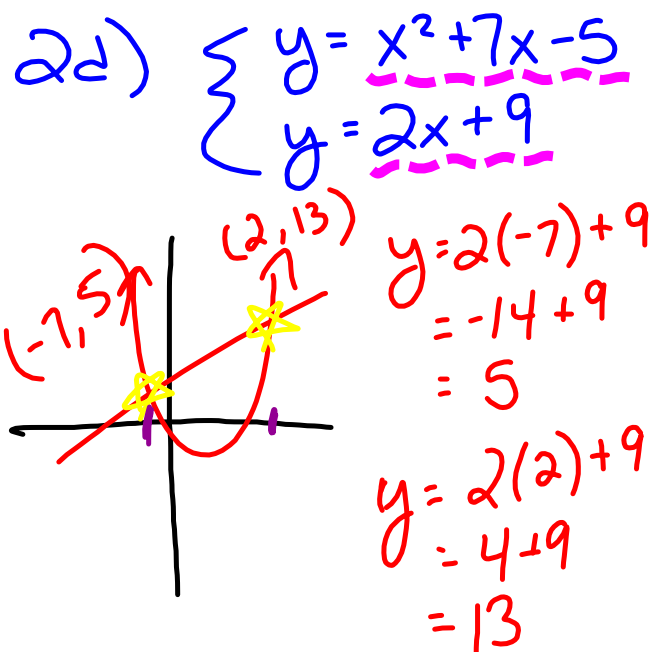
$$20b + 8(0.81) = 32$$

Variable names

$$\begin{array}{r} -20b - 30t = -50 \\ + 20b + 8t = 32 \\ \hline \end{array}$$

$$\begin{array}{r} -22t = -18 \\ \hline -22 \quad -22 \end{array}$$

$$t = 0.81$$



$$\begin{aligned} x^2 + 7x - 5 &= 2x + 9 \\ x^2 + 5x - 14 &= 0 \\ (x + 7)(x - 2) &= 0 \\ x + 7 &= 0 & x - 2 &= 0 \\ x &= -7 & x &= 2 \end{aligned}$$

$$\begin{cases} 2x - y = 6 \\ 4x - 2y = A \end{cases}$$

$$\begin{array}{r} -4x + 2y = -12 \\ 4x - 2y = A \leftarrow 12 \\ \hline 0 + 0 = ? \\ 0 = ? \end{array}$$

infinite solutions
always true

$$0 = 0$$

$$A = 12$$

no solutions
never true

$$0 =$$

$$A = \text{anything} \\ \text{but } 12$$

