

BE-Alg. 1 TUESDAY 11-10-09

$$\textcircled{1} \begin{cases} x + y = 3 \\ 2x - 3y = 16 \end{cases}$$

$$\textcircled{2} \begin{cases} y = 4x + 11 \\ 3x - 2y = -7 \end{cases}$$

• Homework review — Pg 390 # 5 & 6

Ans TO BE

$$\textcircled{1} \boxed{(5, -2)} \text{ use EBA}$$

$$\textcircled{2} \boxed{(-3, -1)} \text{ use EBS}$$

1.

Two SPECIAL cases when solving Systems of Linear Equations:

Case 1 $\Rightarrow$ No SOLUTION

(VARIABLE "goes away", FALSE STATEMENT)
LEFT

How can this be? When do
2 lines in the same plane
never meet?

Answer - when they are parallel

Case 2 $\Rightarrow$ Infinite SOLUTIONS $[(x, y) \text{ Pairs}]$

(VARIABLE "goes away", TRUE STATEMENT)
LEFT

How can 2 lines meet at
an INFINITE number of points?

Answer - when they are the same
LINE

Homework: • Pg 391 # 29, 30, 31, 34

• Online Treasure Hunt
(go to Assignment page)