

BE-Alg. 1 TUESDAY 11-15-11

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

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

• 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