

BE-Alg 2 & Precalc | THURSDAY 9-17-09

ACT
KMF
JUNE 09

- ① THE EQUATIONS BELOW ARE LINEAR EQUATIONS OF A SYSTEM WHERE a, b , AND c ARE POSITIVE INTEGERS.

$$ay + bx = c$$

$$ay - bx = c$$

WHICH OF THE FOLLOWING DESCRIBES THE GRAPH OF AT LEAST 1 SUCH SYSTEM OF EQUATIONS IN THE STANDARD (x, y) COORDINATE PLANE?

- I. 2 parallel lines
- II. 2 intersecting lines
- III. A single line

- (A) I ONLY
- (B) II ONLY
- (C) III ONLY
- (D) I OR II ONLY
- (E) I, II, OR III

• IGW $\Rightarrow$ HW5 WORKSHEET

ANS

$$ay + bx = c$$

$$ay = -bx + c$$

$$y = -\frac{b}{a}x + \frac{c}{a}$$

DIFF SLOPE,
LINES CROSS

$$ay - bx = c$$

$$ay = bx + c$$

$$y = \frac{b}{a}x + \frac{c}{a}$$