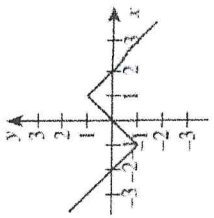
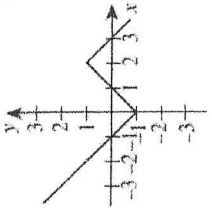
ALG 2 BELLWORK 10-20-14

1. The graph of $y = f(x)$ is shown below.

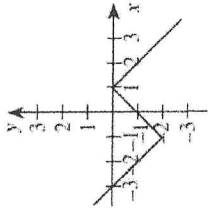


Which of the following is the graph of $y = f(x) + 1$?

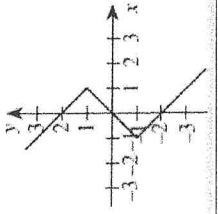
A.



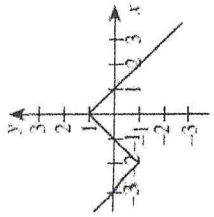
B.



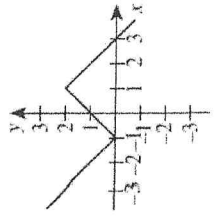
C.



D.



E.



2. If a and b are real numbers, and $a > b$ and $b < 0$, then which of the following inequalities must be true?

A. $a > 0$
B. $a < 0$
C. $a^2 > b^2$
D. $a^2 < b^2$
E. $b^2 > 0$

3. How many possible combinations of \$1 and/or \$5 bills could be in a cash register containing exactly \$20, in \$1 and/or \$5 bills?

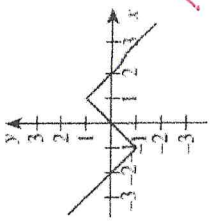
A. 3
B. 4
C. 5
D. 10
E. 20

4. Rudi has 5 pairs of slacks, 6 blouses, and 2 sweaters in her closet. How many different outfits, composed of a pair of slacks, a blouse, and a sweater, can she choose from this closet?

A. 2
B. 6
C. 13
D. 32
E. 60

ALG 2 BELLWORK 10-20-14

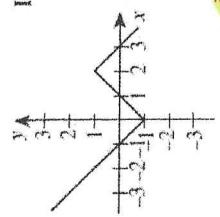
1. The graph of $y = f(x)$ is shown below.



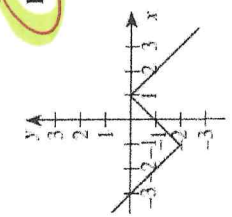
Which of the following is the graph of $y = f(x) + 1$?

THIS JUST SHIFTS THE GRAPH UP 1

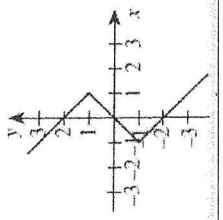
A.



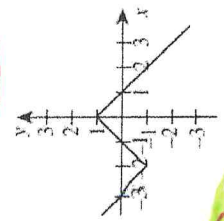
B.



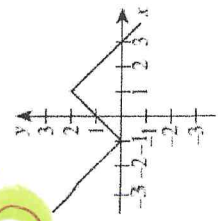
C.



D.



E.



2. If a and b are real numbers, and $a > b$ and $b < 0$, then which of the following inequalities must be true?

A. $a > 0$
B. $a < 0$
C. $a^2 > b^2$
D. $a^2 < b^2$
E. $b^2 > 0$

THIS IS ALWAYS TRUE UNLESS $b = 0$

3. How many possible combinations of \$1 and/or \$5 bills could be in a cash register containing exactly \$20, in \$1 and/or \$5 bills?

A. 3
B. 4
C. 5
D. 10
E. 20

1's	5's
20	0
15	1
10	2
5	3
0	4

4. Rudi has 5 pairs of slacks, 6 blouses, and 2 sweaters in her closet. How many different outfits, composed of a pair of slacks, a blouse, and a sweater, can she choose from this closet?

A. 2
B. 6
C. 13
D. 32
E. 60

5 pr slacks · 6 blouses · 2 sweat

= 60 OUTFITS