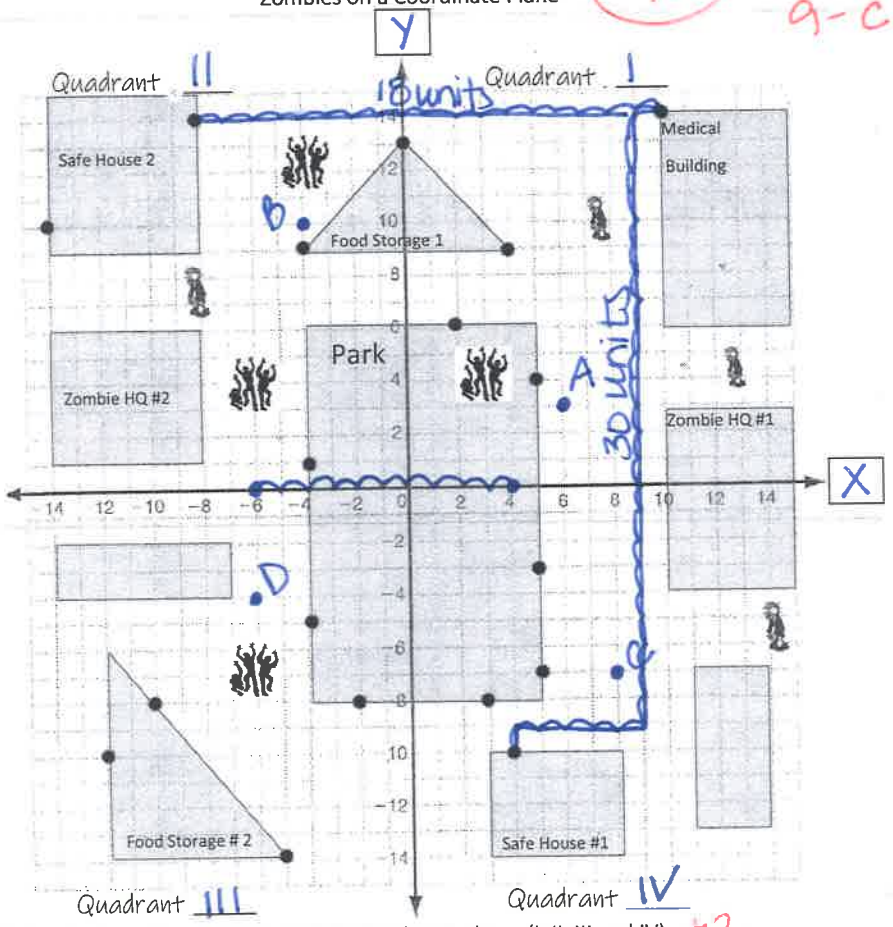
8

12

12- A+
11- A
10- B
9- C
8- D+
7- E
6- F

★ could get up to 14 w/ BONUS +2

Zombies on a Coordinate Plane



1. Label the X and Y Axis above and the Quadrants above (I, II, III and IV). +2
2. Which Quadrant has both a positive x and y axis? QI +1
3. Which Quadrant has both a negative x and y axis? QIII +1
4. Plot and Label the Ordered Pairs: A (6, 3) , B (-4, 10), C (8, -7), D (-6, -4)
5. What is the distance between points (-6, 0) and (4, 0)? 10 units +1

6. What quadrant(s) are the following building in?

Safe House 2 II | Medical I | Food Storage 1 I, II
Park I, II, III, IV | Safe House 1 IV | Food Storage 2 III
Zombie HQ1 I, IV | Zombie HQ2 II

7. What are the coordinates of the doors (●) in the following:

Safe House 1 (4, -10) +1 | Food Storage 1 (13,0) (4,9) (-4,9)

8. List the coordinates of the 8 entrance points to the park:

(2,6) (5,-3) (5,-7) (3-8) (-2,-8) (-4,-5) (-4,1) (5,4) +1

9. Following only grid lines, what is the shortest distance from Safe House 1 to the Medical building? Show your route on the coordinate graph and label distance.

The shortest distance is 30 units, +1

10. What is the shortest distance from Safehouse 2 to the Medical Building? Show your route on the coordinate graph and label distance.

The shortest distance is 18 units. +1

11. Use absolute value statements to prove your answer in question 10. (Notes on Pg. 76)

$|10| + |8| = 18$ +1

SH 2 (-8, 14)
MB (10, 14)

Bonus: If one unit equals 200 feet, how many feet is your route from Safe House 1 to the Medical building.

30 units x 200 ft = 6,000 ft

+2