Kuta Software - Infinite Grade 6 Math

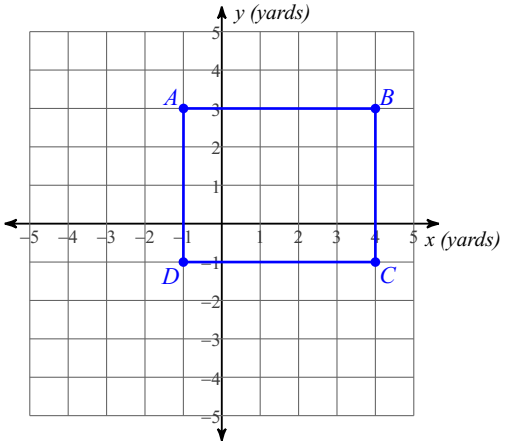
Name_____

Coordinate Plane Word Problems

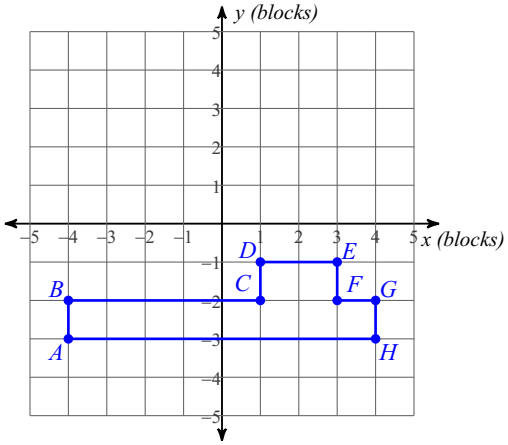
Date_____ Period____

Solve each problem.

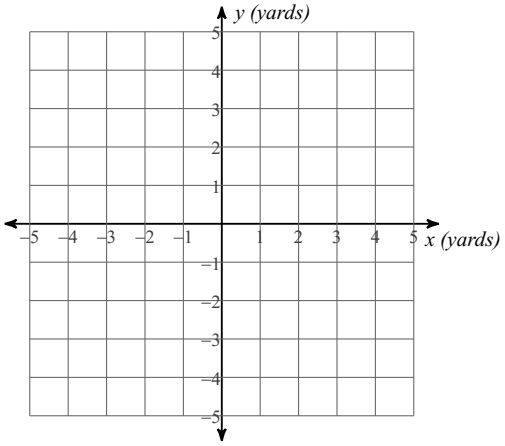
1) Eduardo needs to enclose a garden with a fence. The fence posts will be placed at the following coordinates: $A(-1, 3)$, $B(4, 3)$, $C(4, -1)$, $D(-1, -1)$. How many yards of fence does he need?



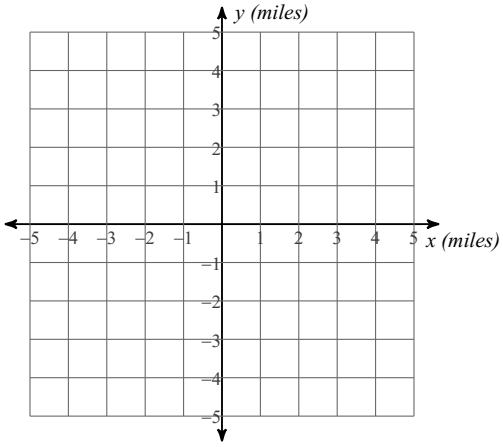
2) A city's street grid is made up of identically sized blocks. Bill explored the city by foot, starting and ending at his hotel at $A(-4, -3)$. He visited sights at the following coordinates in alphabetical order: $B(-4, -2)$, $C(1, -2)$, $D(1, -1)$, $E(3, -1)$, $F(3, -2)$, $G(4, -2)$, $H(4, -3)$. How many blocks did he walk?



3) Alberto needs to enclose a garden with a fence. The fence posts will be placed at the following coordinates: $A(-3, -4)$, $B(-3, 3)$, $C(-1, 3)$, $D(-1, -4)$. How many yards of fence does he need?



4) A drone is programmed to fly to a series of locations in the savannah. At each location, it will stop to take a picture of any wildlife. The drone starts and ends at coordinate $A(-1, 3)$. The drone is programmed to fly to the following coordinates in alphabetical order: $B(3, 3)$, $C(3, -3)$, $D(1, -3)$, $E(1, -2)$, $F(-1, -2)$. How many miles will the drone fly?



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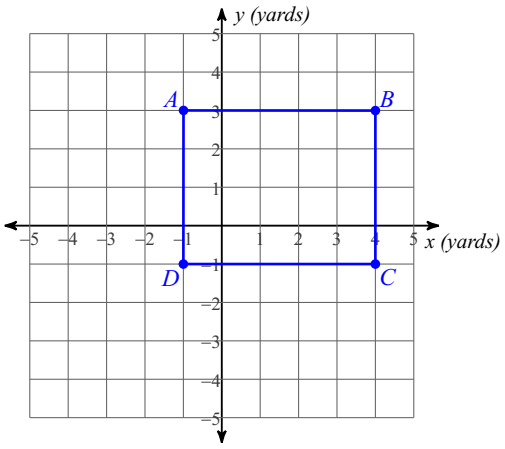

18 yards

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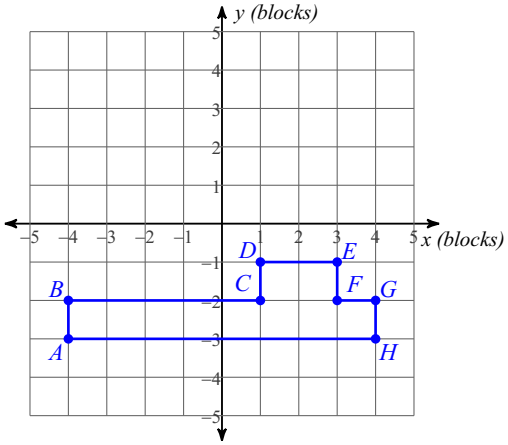
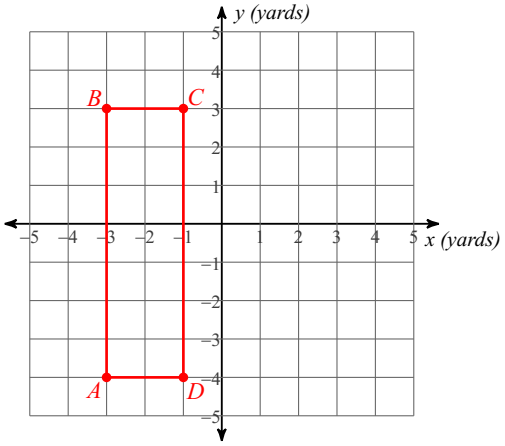


20 blocks

3) Alberto needs to enclose a garden with a fence. The fence posts will be placed at the following coordinates: $A(-3, -4)$, $B(-3, 3)$, $C(-1, 3)$, $D(-1, -4)$. How many yards of fence does he need?



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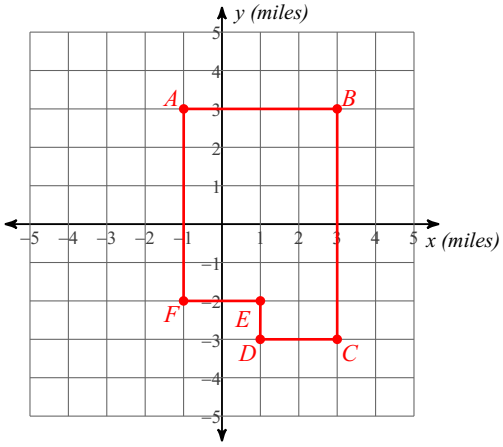

20 miles