



## Using Grids in Real World Context

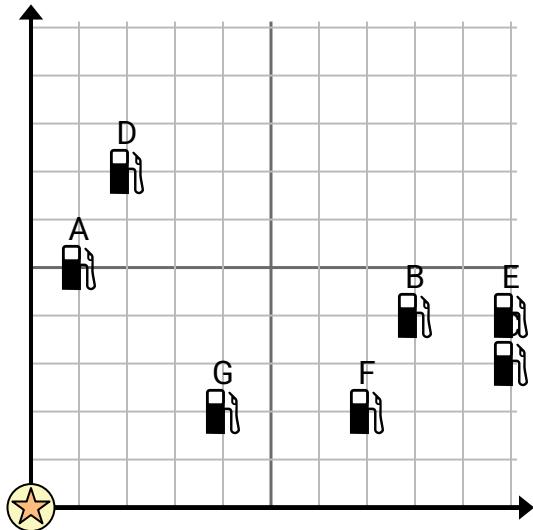
Name: \_\_\_\_\_

Use the grid to solve each problem.

= Gas Station

= Mall

= 1 Square Mile



- 1) Investors wanted to build a new gas station, but wanted to make sure it was at least 2 miles from a pre-existing station. Should they build a gas station 9 miles east and 10 miles north of the mall?
- 2) Which gas station is closest to the mall?
- 3) Which gas station is furthest from the mall?
- 4) Which gas station is further east? Station G or Station F?
- 5) If you were to go 4 miles east and 2 miles north from the mall which gas station would you end up at?

## Answers

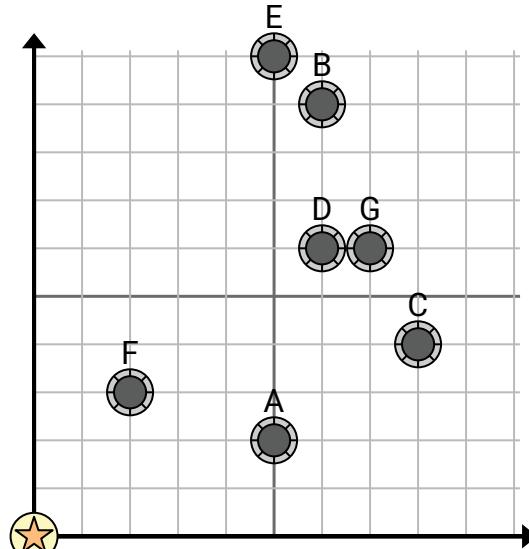
1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

- 6) A new law says you can't build a well within 2 miles a pre-existing well. If you wanted to build a well 8 miles east and 7 miles north of the water tower, would you be allowed to?
- 7) Which well is closest to the water tower?

= Well  
 = Water Tower  
 = 1 Square Mile

- 8) Which well is furthest from the water tower?
- 9) Which well is further east? Well D or well G?

- 10) If you were to go 8 miles east and 4 miles north from the water tower which well would you end up at?





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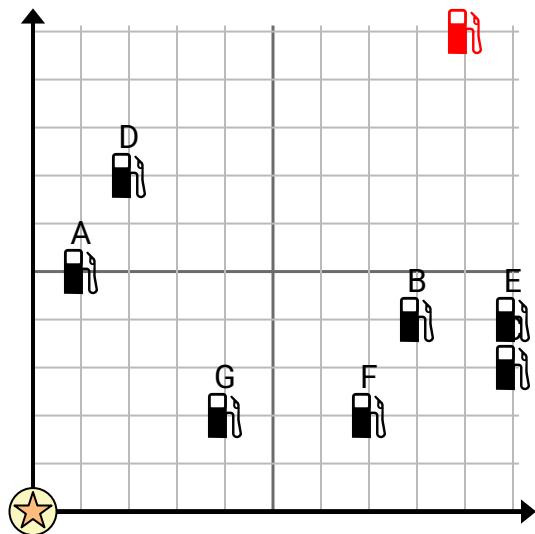
Name: **Answer Key**

Use the grid to solve each problem.

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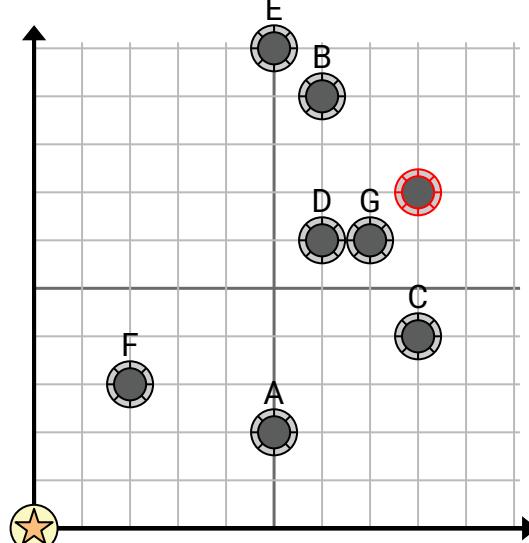
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= Well  
 = Water Tower  
 = 1 Square Mile



## Answers

1. **yes**

**G**

**E**

**F**

**G**

**no**

**F**

**E**

**G**

**C**