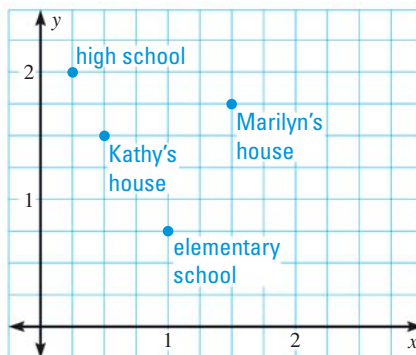## REVIEWING COORDINATE PLANE PROBLEMS

Some problems require you to identify the *x*- and *y*-coordinates of a point on a coordinate plane. Be sure to consider the scale on each axis.

EXAMPLE

Marilyn made a map of her neighborhood for a school project. She put a grid over the map. Which coordinate point best represents her house?

Solution

The scale is 0.25 unit per grid line on both axes. Reading down to the *x*-axis from the point for Marilyn's house, you can see that the *x*-coordinate is 1.5. Reading across to the *y*-axis, you can see that the *y*-coordinate is 1.75. The coordinates of the point that represent Marilyn's house are (1.5, 1.75).

COORDINATE PLANE PROBLEMS ON TAKS

Below are examples of coordinate plane problems in multiple choice format. Try solving the problems before looking at the solutions. (Cover the solutions with a piece of paper.) Then check your solutions against the ones given.

1. On the map above, which coordinate point best represents Kathy's house?

   A (0.25, 1.75)

   B (0.5, 1.5)

   C (0.5, 1.75)

   D (1.5, 0.5)

Solution

Reading down the x-axis from the point for Kathy's house, you can see that the x-coordinate is 0.5. Reading across to the y-axis, you can see that the y-coordinate is 1.5. The coordinates are (0.5, 1.5).

The correct answer is B.

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