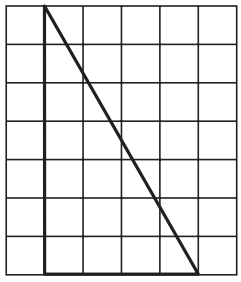
B–4 Name _____ Date _____

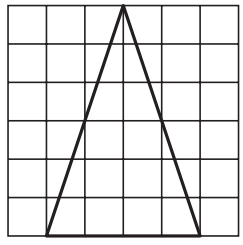
Challenge

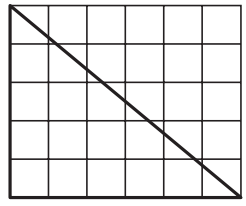
Area Puzzle

The triangles below were used to build the shapes in exercises 1–3. Each shape is made up of one set of 3 congruent triangles.

Find the area (*A*) in square units (sq. units) of each triangle.



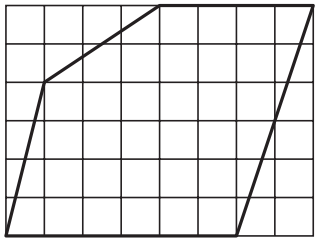




$A =$ _____ $A =$ _____ $A =$ _____

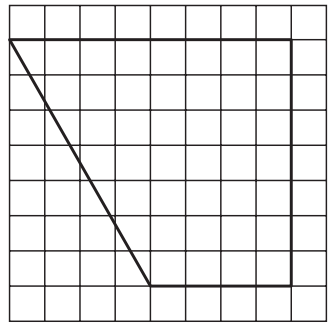
Use the triangle areas above to find the areas of the figures in exercises 1–3. You may draw line segments inside the shapes to help you.

1.



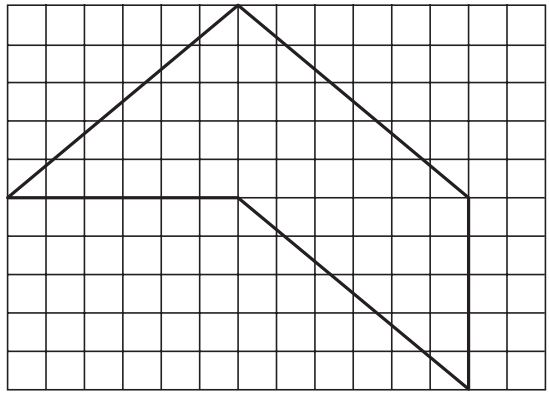
$A =$ _____

2.



$A =$ _____

3.



$A =$ _____

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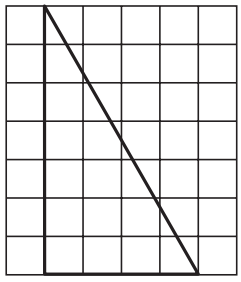
B–4 Name _____ Date _____

Challenge

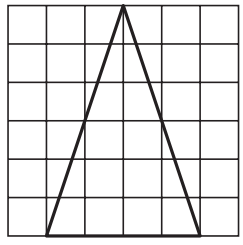
Area Puzzle

The triangles below were used to build the shapes in exercises 1–3. Each shape is made up of one set of 3 congruent triangles.

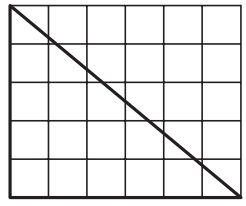
Find the area (*A*) in square units (sq. units) of each triangle.



$A =$ 14 sq. units



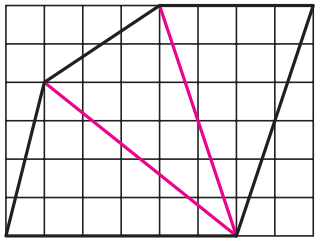
$A =$ 12 sq. units



$A =$ 15 sq. units

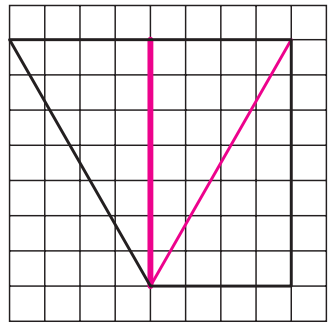
Use the triangle areas above to find the areas of the figures in exercises 1–3. You may draw line segments inside the shapes to help you.

1.



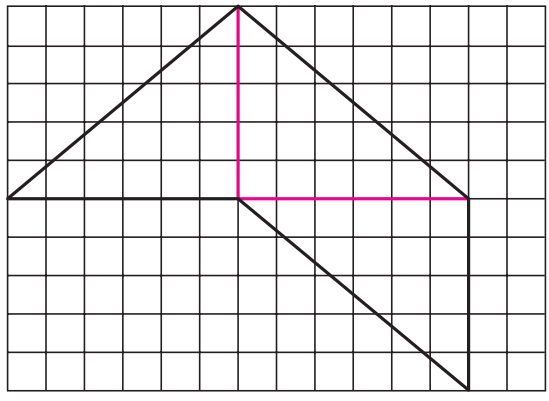
$A =$ 36 sq. units

2.



$A =$ 42 sq. units

3.



$A =$ 45 sq. units

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