Q1
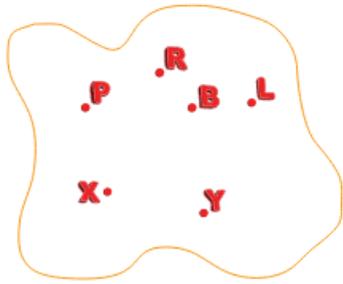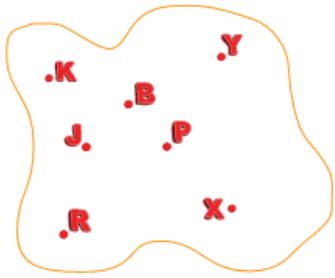
What is the direction from X to B?
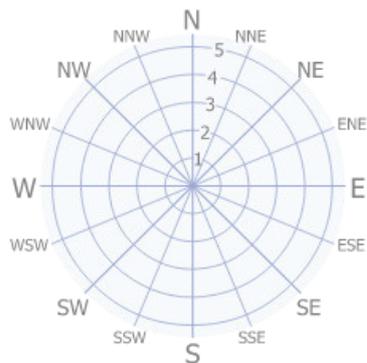
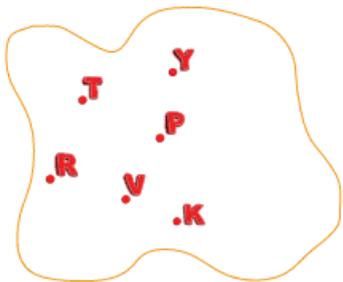- ○ North-west
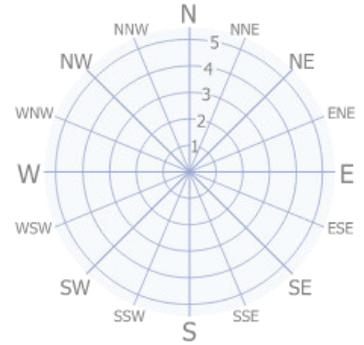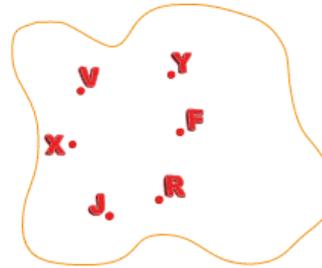- ○ North-east
- ○ South-west
- ○ South-east

Q2

From J, which point is 3 km E?

Q3
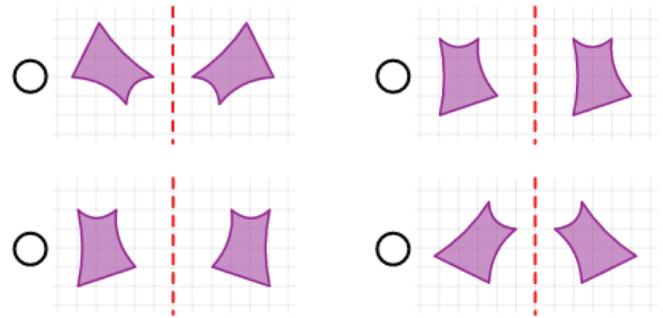
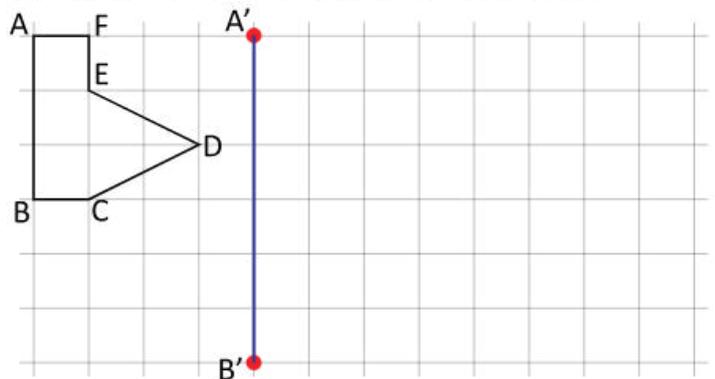From K, which point is 2 km WNW?

Q4

From V, which point is 4 km ESE?

Q5

Which image does NOT show a reflection in the line?
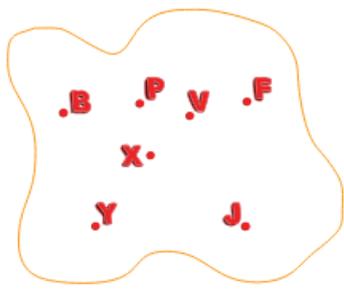
- ○
- ○
- ○
- ○

Q6

Enlarge this shape by a scale factor of 2 by choosing each new vertex. A' and B' are already done for you.

The new shape's area is
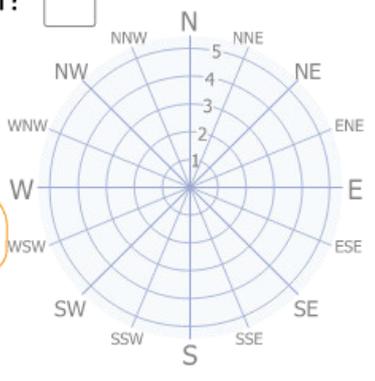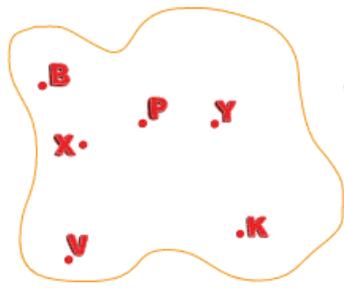- ○ double the original area
- ○ more than double the original area
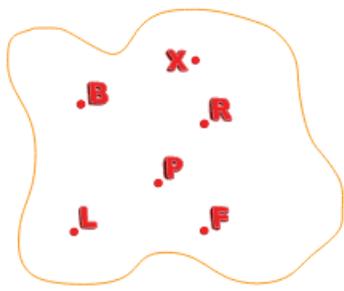
Q7

From V, which point is 2 km SW? ☐

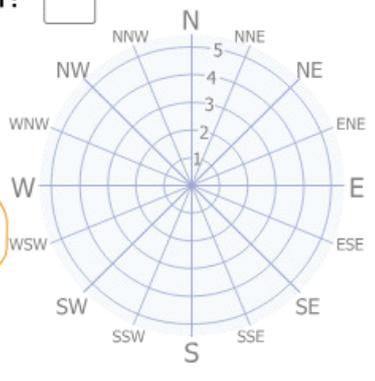**Q8**

From P, which point is 4 km NW? ☐

Q9

From X, which point is 5 km E? ☐

Q10
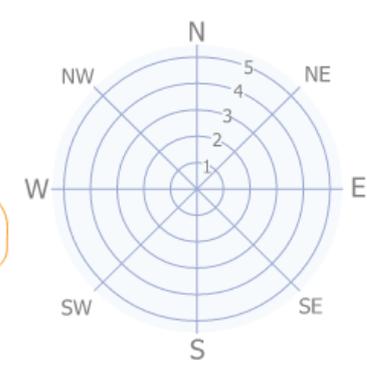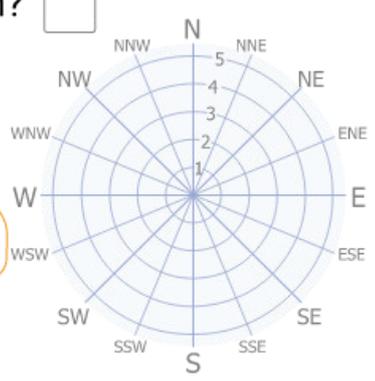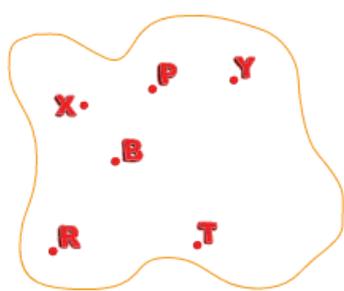
Start at X. Go 3 km SSE, then 5 km NE. Where do you finish? ☐
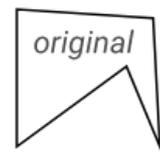
Q11
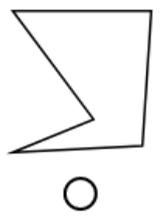
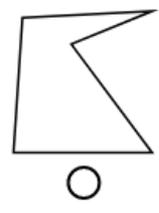*Start at R.* Go 2 km ESE, then 4 km SW. Where do you finish? ☐
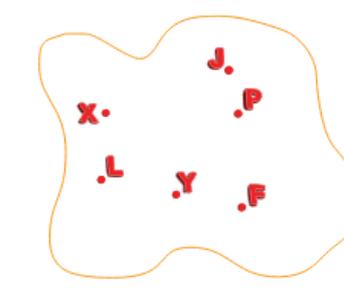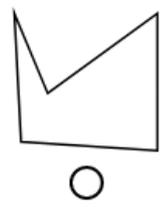
Q12

Start at T. Go 3 km NNE, then 4 km NW. Where do you finish? ☐
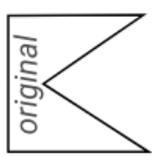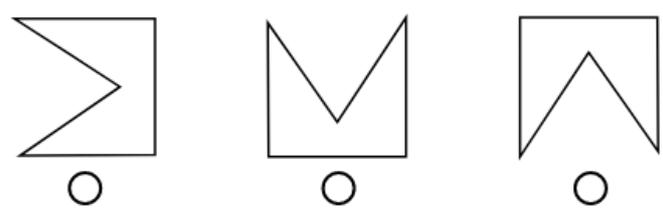
Q13

original

Choose the image showing a 90° anti-clockwise rotation of the original shape.

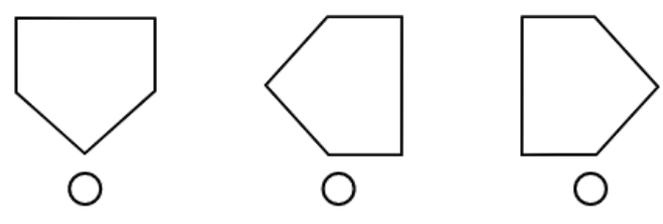○ ○ ○

Q14

Choose the image showing a 90° clockwise rotation of the original shape.

○   ○   ○

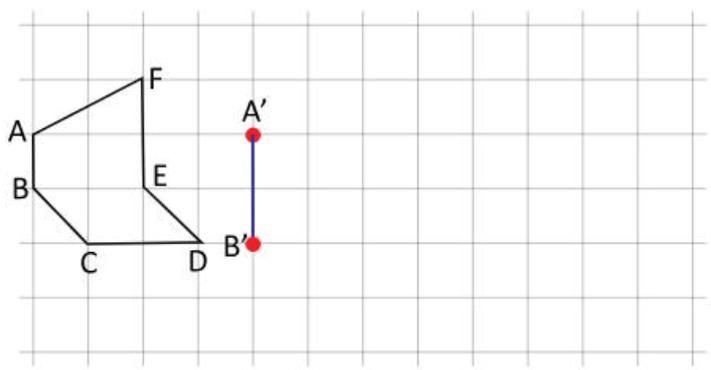**Q15**

Choose the image showing a 90° clockwise rotation of the original shape.

○   ○   ○

Q16

Enlarge this shape by a scale factor of 2 by choosing each new vertex. A' and B' are already done for you.

The new shape's area is
○ double the original area
○ more than double the original area

Q17

Enlarge this shape by a scale factor of 3 by choosing each new vertex. A' and B' are already done for you.

The new shape's area is
○ triple the original area
○ more than triple the original area
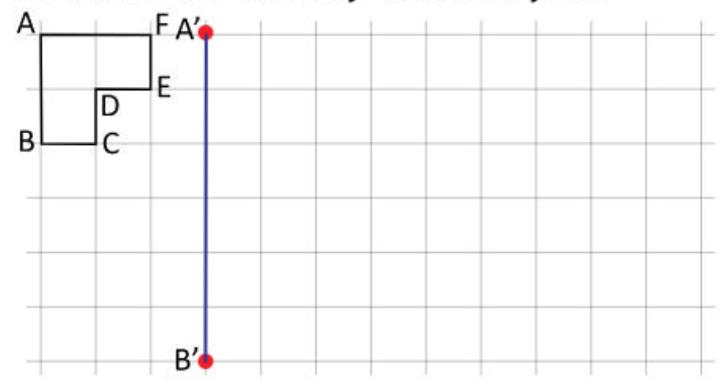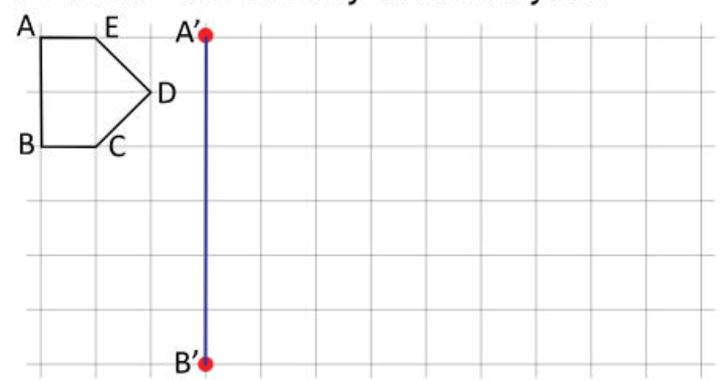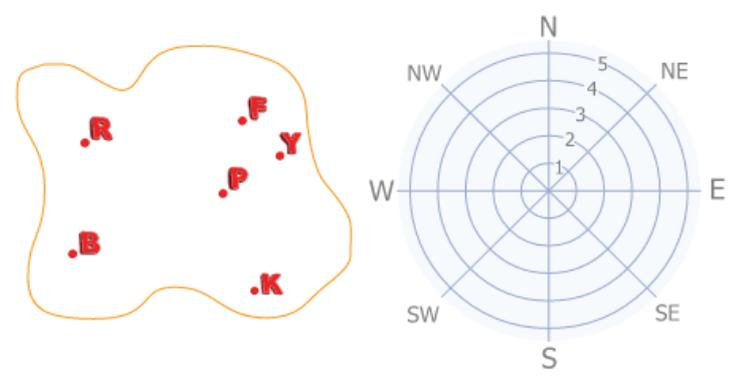
Q18

Enlarge this shape by a scale factor of 3 by choosing each new vertex. A' and B' are already done for you.

The new shape's area is
○ triple the original area
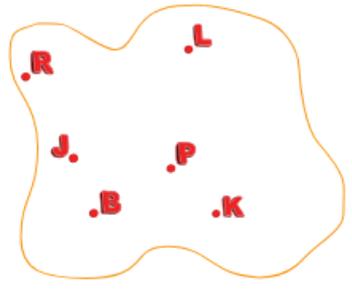○ more than triple the original area

Q19

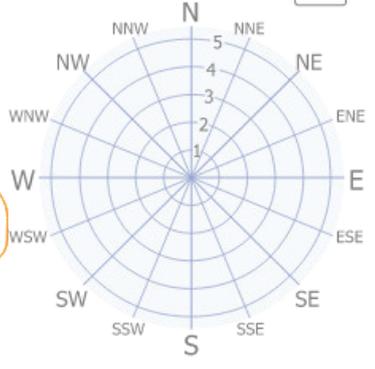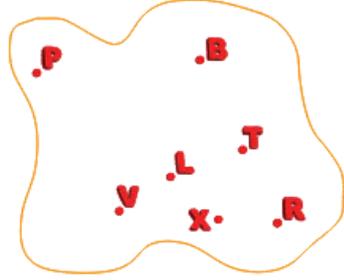*Start at B.* Go 5 km north-east, then 4 km east. Where do you finish? ☐

Q20

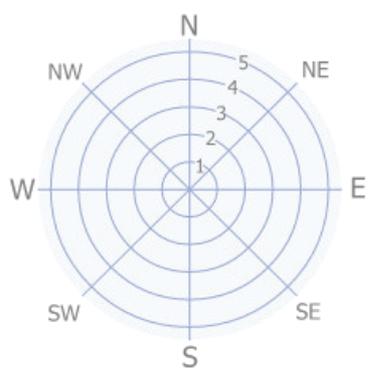*Start at P.* Go 4 km north, then 5 km south-west. Where do you finish?

Q21

Start at X. Go 4 km east, then 3 km north-west. Where do you finish?

Q22

Start at V. Go 4 km SE, then 3 km NNE, then 5 km SSE. Where do you finish?
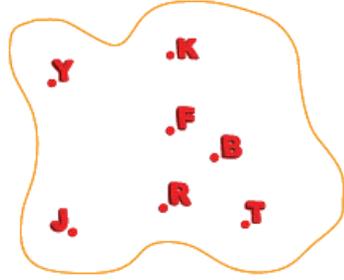

Q23

Start at V. Go 2 km NW, then 3 km NNE, then 5 km ESE. Where do you finish?
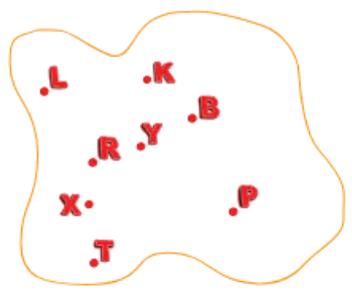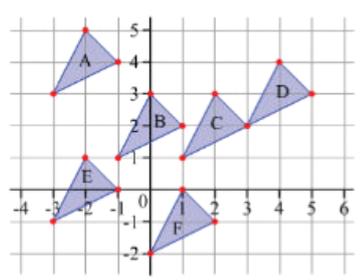

Q24

Start at K. Go 4 km SW, then 3 km SSE, then 2 km WSW. Where do you finish?
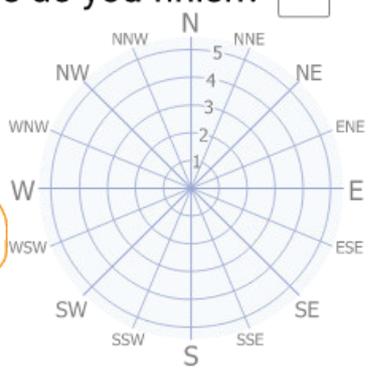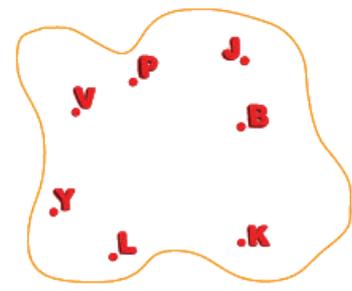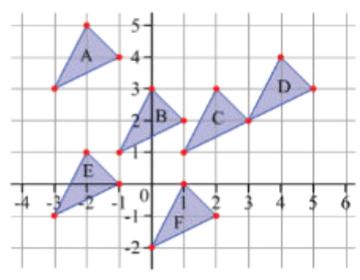

Q25

Which translation maps C to D?

- ○ 2 left
- ○ 3 left, 4 up
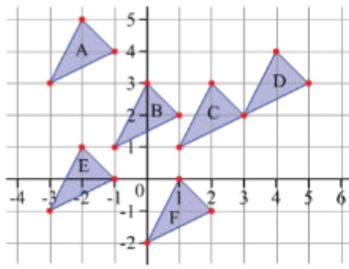- ○ 3 left, 1 down
- ○ 2 right, 1 up

Q26

Which translation maps C to E?

- ○ 4 left, 2 down
- ○ 4 left, 2 up
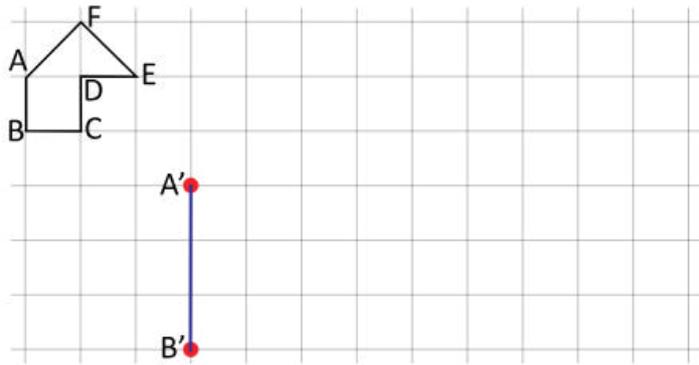- ○ 1 left, 3 down
- ○ 2 right, 1 up

Q27

Which translation maps F to E?

- ○ 1 left, 3 up
- ○ 2 left, 3 down
- ○ 3 left, 1 up
- ○ 1 right, 3 up

Q28

Enlarge this shape by a scale factor
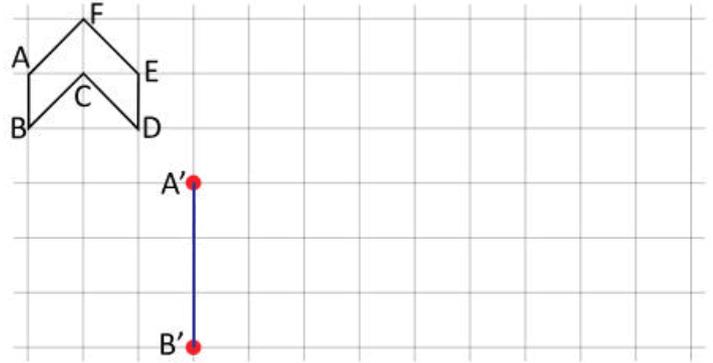of 3 by choosing each new vertex.
A' and B' are already done for you.

The new shape's area is
- ○ triple the original area
- ○ more than triple the original area

Q29

Enlarge this shape by a scale factor
of 3 by choosing each new vertex.
A' and B' are already done for you.

The new shape's area is
- ○ triple the original area
- ○ more than triple the original area

Q30

Enlarge this shape by a scale factor
of 3 by choosing each new vertex.
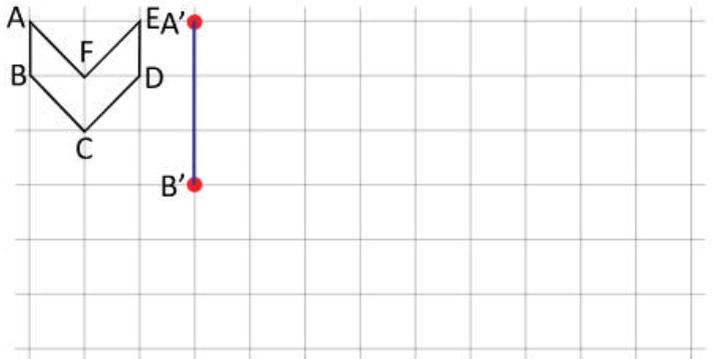A' and B' are already done for you.

The new shape's area is
- ○ triple the original area
- ○ more than triple the original area