(1) Complete the translations.
a) Translate the shape 4 squares to the right.

c) Translate the shape 4 squares right, 2 squares up.

d) Translate the shape 3 squares left, 5 squares down.

2) Four shapes have been drawn on a grid.

a) Translate shape A 5 squares to the right and 3 squares down.
b) Translate shape B 4 squares to the left and 7 squares down.
c) Translate shape C 6 squares to the left.
d) Translate shape D 4 squares to the right and 8 squares up.

3 Dora has translated triangle A 2 squares to the right and 7 squares up.


Is Dora's drawing correct? $\qquad$
Explain why.
b) Translate the shape

2 squares up.

4. Complete the sentences to describe the translations.

a) Shape $A$ has been translated $\square$ squares to the right and
$\square$ squares down
b) Shape $B$ has been translated $\square$ squares to the $\qquad$ and $\square$ squares $\qquad$
c) Shape C has been translated $\square$ squares to the $\qquad$ and squares $\qquad$

A shape has been drawn on a coordinate grid.
a) Translate shape D 4 squares to the left and 6 squares up. Label the new shape $E$.
b) Describe the translation from shape E to shape D.


Eight polygons are drawn on the grid.

a) Translate shape A 10 squares up.
b) Translate shape B 6 squares down.
c) Translate shape C 6 squares left.
d) Translate shape D 9 squares to the right and 4 squares down.
e) Translate shape E 10 squares to the right and 3 squares down.
f) Translate shape $F 7$ squares to the right and 3 squares up.
g) Translate shape G 9 squares to the left and 1 square up.

Create your own problem like this for a partner.

