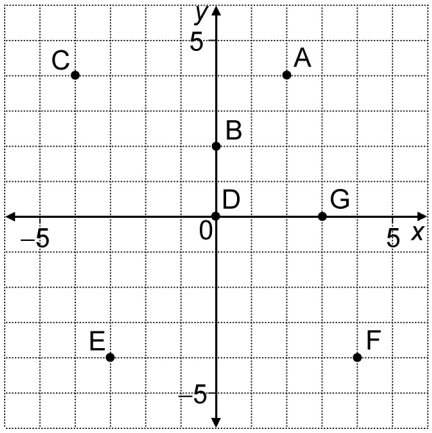
Name: _____ Date: _____

BLM 1–12

Chapter 1 Test

For #1 to #8, match letters on the coordinate grid to the descriptions. Each letter may be used more than once.

1. _____ *x*-axis
2. _____ quadrant I
3. _____ origin
4. _____ quadrant IV
5. _____ horizontal axis
6. _____ the possible location of a point with signs (–, +)
7. _____ vertical axis
8. _____ the quadrant point M' would be in if M(3, –4) is reflected in the *y*-axis



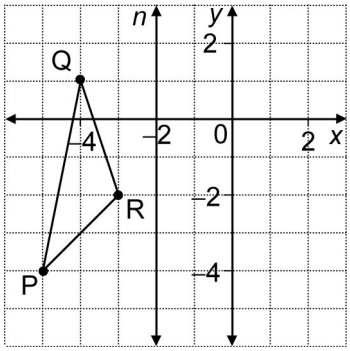
For #9 and #10, circle the best answer.

9. To plot the ordered pair (0, 5), you would move

A right 5 **B** up 5 **C** left 5 **D** down 5

10. Figure PQR is reflected in line *n*. What are the coordinates of Q'?

A (1, 0) **B** (–4, –1)
C (0, 1) **D** (4, 1)



Short Answer

11. Look at the grid. What are the coordinates of each letter?

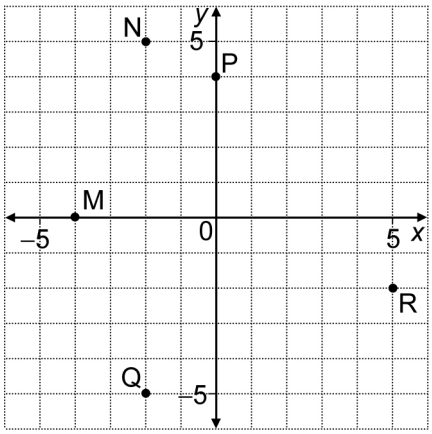
M _____

N _____

P _____

Q _____

R _____



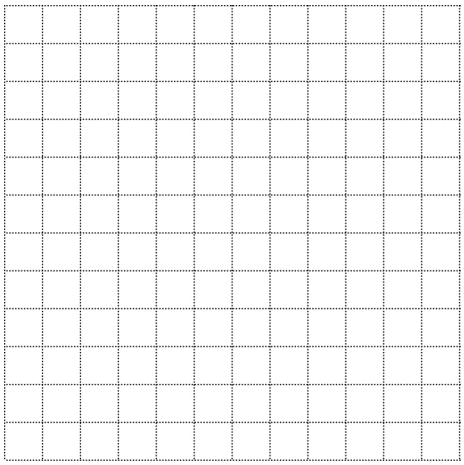
Name: _____ Date: _____

BLM 1–12
(continued)

12. a) On the grid, draw and label an *x*-axis and a *y*-axis from −5 to 5.

b) Plot and label each of the following points:

A (−3, 5), **B** (0, −4),
C (4, −2), **D** (−4, −5),
E (5, 0)

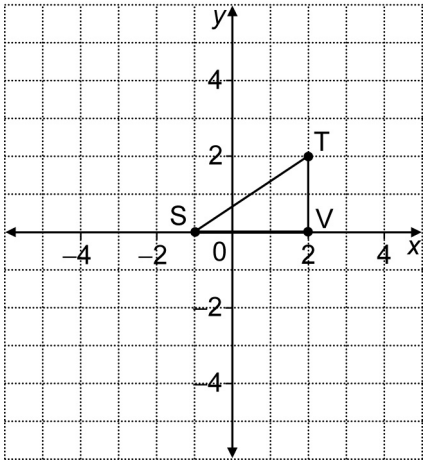


13. Use the coordinate grid shown to do the following:

a) Rotate figure STV 90° in a clockwise direction about centre of rotation T.

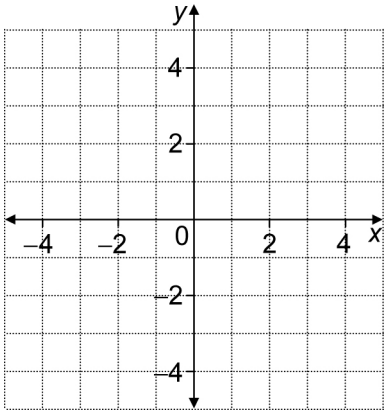
b) Translate figure S'T'V' 4 units left and 1 unit down.

c) What are the coordinates of V''? _____



Extended Response

14. Choose any <u>one</u> of the following letters: A E H M K
Draw the letter on the grid below. The letter must extend into all four quadrants. Write instructions to create the letter.



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