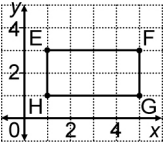
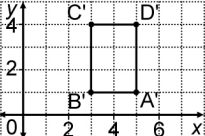


# Chapter 1 BLM Answers

## BLM 1-1 MathLinks 7 Scavenger Hunt

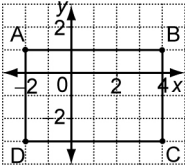
- Chapter 2 Operations on Decimal Numbers
- Probability
- page 388
- a)** chapter problem **b)** Math Link
- The purpose is to make connections between the math and the real world or connections to what you already know.
- three
- a)** The beginning of an activity called Explore the Math  
**b)** An Example and the beginning of its Solution
- a)** Key Ideas: It provides the summary of the main new concepts.  
**b)** Communicate the Ideas: Students talk about or write about the concepts to make sure they understand them.
- Practise, Apply, and Extend
- problem solving
- Understand, Plan, Do It!, Look Back
- Model It, Draw a Diagram, Solve a Simpler Problem, Make an Organized List or a Table, Work Backwards, Guess and Check, Look for a Pattern
- Math Games and Challenge in Real Life
- Puzzling Expressions
- Winner's Circle
- Chapter Review and Practice Test: They help review the material in a chapter to prepare for a test.
- a)** Review of Chapters 1 to 4 and a task  
**b)** At the end of Chapters 8 and 12
- Glossary, page 499
- Index: It provides an alphabetical list of the book's contents, with page references.

## BLM 1-2 Coordinates and Design

- a)** R **b)** (3, 3) **c)** 3 units down  
**d)** 2 units right
- a)**  **b)** F(5, 3), H(1, 1)  
**c)** length of EF and GH: 4 units; width of EH and FG: 2 units
- a)**  **b)** (3, 1)

## BLM 1-4 Section 1.1 Extra Practice

- a)** E(3, 1), M(2, 8)  
These points are in quadrant I.  
**b)** R(-4, 4), B(-2, 2)  
These points are in quadrant II.  
**c)** F(-4, -4), C(-2, -6)  
These points are in quadrant III.  
**d)** V(2, -4), H(4, -10)  
These points are in quadrant IV.  
**e)** N(-3, 0) This point is on the x-axis.  
**f)** L(0, -9) This point is on the y-axis.  
**g)** P(0, 0) This point is at the origin.

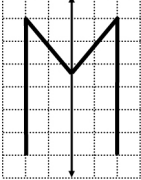
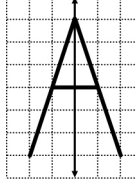
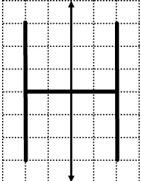
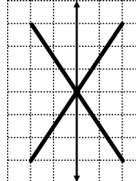
-  **a)** 6  
**b)** 4  
**c)** rectangle  
**d)** 24

## BLM 1-6 Section 1.2 Extra Practice

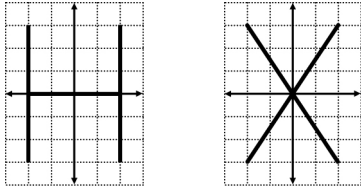
- Shape 1: A(2, 5) B(2, 2) C(8, 6) D(8, 1)  
Shape 2: E(-6, -2) F(6, -6) G(6, 0)  
Shape 3: H(-5, 2) I(-6, 0) J(-1, 0) K(0, 2)
- Shape 1: trapezoid  
Shape 2: triangle  
Shape 3: parallelogram

## BLM 1-8 Section 1.3 Extra Practice

- F **2.** C **3.** A
- a)** 2 units right, 3 units down  
**b)** 4 units up  
**c)** 4 units left, 1 unit up  
**d)** 3 units left, 5 units down

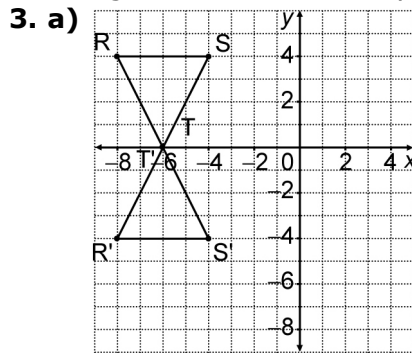
- a)**    
Grid A                      Grid B
-    
Grid C                      Grid D
- b)** Grid A: M    Grid B: A  
Grid C: H    Grid D: X

c) H, X

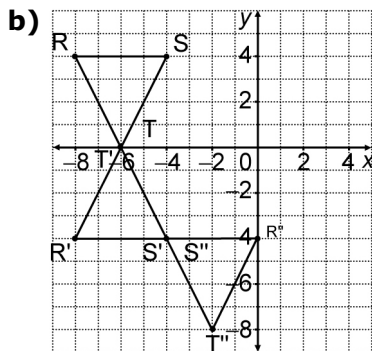


**BLM 1-10 Section 1.4 Extra Practice**

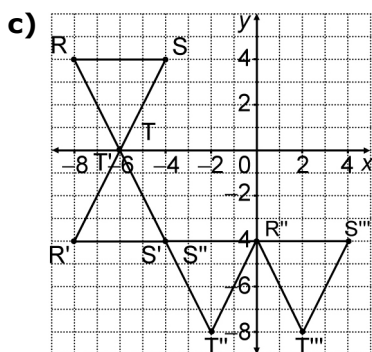
1. a)  $C'(5, 7)$  b)  $F'(-5, 6)$   
 c)  $M'(-3, -8)$  d)  $S'(6, -1)$
2. a) 2 units horizontally right  
 b) 8 units vertically down  
 c) 4 units horizontally left, 1 unit vertically up d) 9 units horizontally right, 12 units vertically up



$R'(-8, -4)$ ,  $S'(-4, -4)$ ,  $T'(-6, 0)$



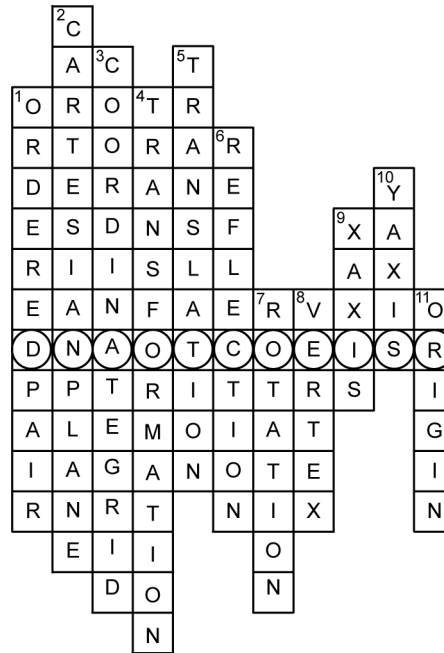
$R''(0, -4)$ ,  $S''(-4, -4)$ ,  $T''(-2, -8)$



$R'''(0, -4)$ ,  $S'''(4, -4)$ ,  $T'''(2, -8)$

d) Translation 8 units right, 8 units down

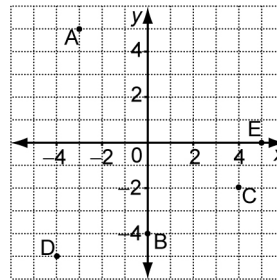
**BLM 1-11 Chapter 1 Key Words Puzzle**



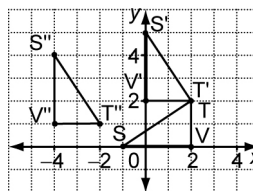
COORDINATES

**BLM 1-12 Chapter 1 Test**

1. G 2. A 3. D 4. F 5. G  
 6. C 7. B 8. E 9. B 10. C
11.  $M(-4, 0)$ ,  $N(-2, 5)$ ,  $P(0, 4)$ ,  
 $Q(-2, -5)$ ,  $R(5, -2)$
12. a), b)



13. a), b)



c)  $(-4, 1)$

14. Answers will vary.