

# CHAPTER 4

# Scale Drawings

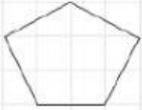
Diagrams below are drawn on square grid.

Mark (/) on the scale drawing of triangle A.

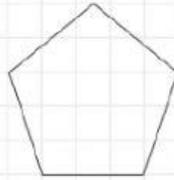
1

The diagram shows a square grid with a reference triangle 'A' and four other triangles labeled I, II, III, and IV. Triangle A is a right-angled triangle with a vertical leg of 2 units, a horizontal leg of 2 units, and a hypotenuse of  $2\sqrt{2}$  units. Triangle I is a smaller right-angled triangle with a vertical leg of 1 unit, a horizontal leg of 1 unit, and a hypotenuse of  $\sqrt{2}$  units. Triangle II is a larger right-angled triangle with a vertical leg of 4 units, a horizontal leg of 4 units, and a hypotenuse of  $4\sqrt{2}$  units. Triangle III is a right-angled triangle with a vertical leg of 3 units, a horizontal leg of 3 units, and a hypotenuse of  $3\sqrt{2}$  units. Triangle IV is a right-angled triangle with a vertical leg of 4 units, a horizontal leg of 4 units, and a hypotenuse of  $4\sqrt{2}$  units. Below each triangle is an empty box for marking similarity:  for I,  for II,  for III, and  for IV.

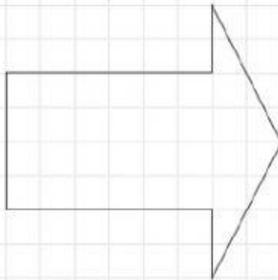
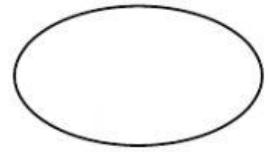
2. State whether each of the following objects is a scale drawing or not. State **YES** or **NO**.



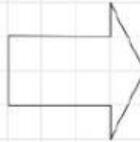
Objek sebenar  
*Actual object*



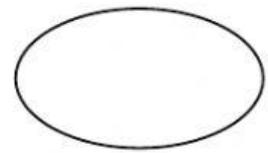
Lukisan berskala  
*Scale drawing*



Objek sebenar  
*Actual object*



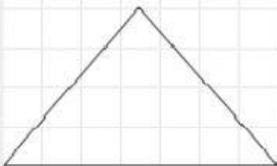
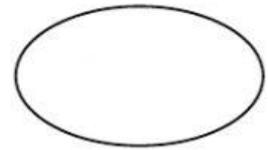
Lukisan berskala  
*Scale drawing*



Objek sebenar  
*Actual object*



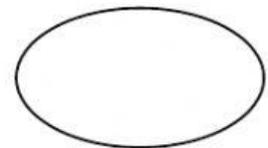
Lukisan berskala  
*Scale drawing*



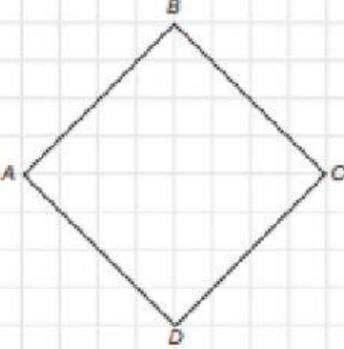
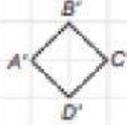
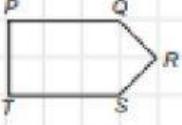
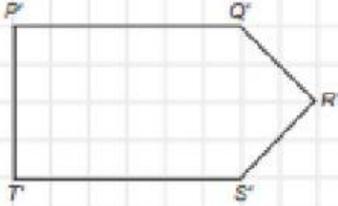
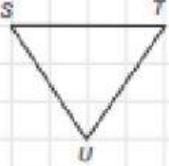
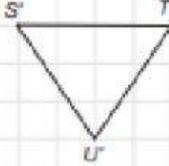
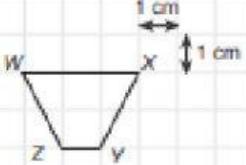
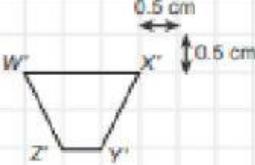
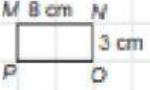
Objek sebenar  
*Actual object*



Lukisan berskala  
*Scale drawing*



3. Find the scale drawing for the following diagram by filling in the blank.

Objek sebenar/Actual object	Lukisan berskala/Scale drawing
<p>1</p> 	
<p>2</p> 	
<p>3</p> 	
<p>4</p> 	
<p>5</p> 	

1 :

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1 :

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