

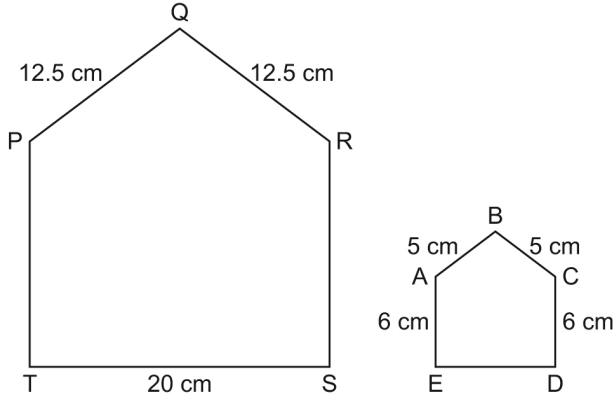
Name: _____

Math 9 Date: _____

Mark: _____ / 27

Chapter 7 Review

1. These two pentagons are similar. (8 marks)

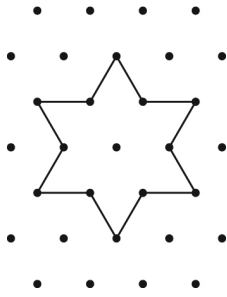


- Calculate the length of PT.
- Calculate the length of DE.
- Draw a reduction of pentagon PQRST with a scale factor of $\frac{3}{5}$.
- Draw an enlargement of pentagon ABCDE with a scale factor of 2.

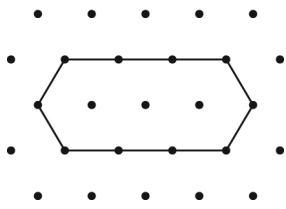
2. Naomi wants to calculate the height of a tree. She is 1.5 m tall and casts a shadow of 2.5 m. At the same time, the shadow of the tree is 10.5 m long. (4 marks)

- Sketch a diagram that can be used to calculate the height of the tree.
- What is the height of the tree?

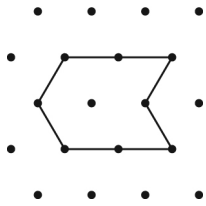
3. Describe the symmetry of each shape. Draw any lines of symmetry and state the order of rotation and the angle of rotation symmetry. (3 marks each)



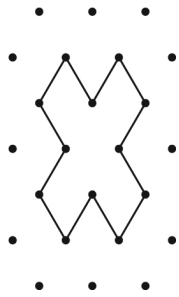
How many lines of symmetry: _____
 Order of Symmetry: _____
 Angle of symmetry: _____



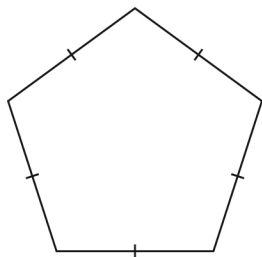
How many lines of symmetry: _____
 Order of Symmetry: _____
 Angle of symmetry: _____



How many lines of symmetry: _____
 Order of Symmetry: _____
 Angle of symmetry: _____



How many lines of symmetry: _____
 Order of Symmetry: _____
 Angle of symmetry: _____



How many lines of symmetry: _____
 Order of Symmetry: _____
 Angle of symmetry: _____