Hill Side School

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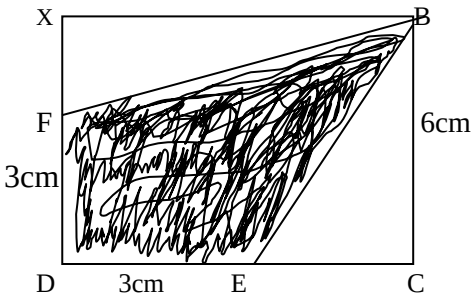
P.O.Box 21616 Addis Ababa, Ethiopia *hillside @ ethionet.et*

Full Name: _____ **Grade: 7** **Section: _____**

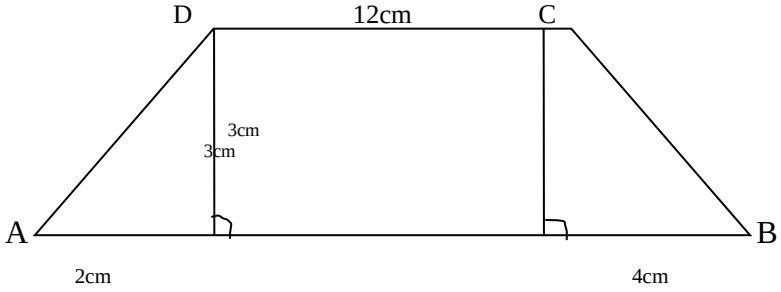
Subject: Mathematics **Year: 2012 E.C** **work sheet 6**

***Work out (show the necessary step clearly*.**

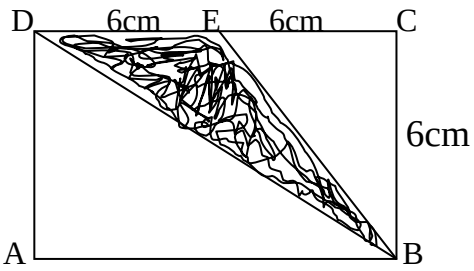
1. If the diagonals of a square are 6cm find the area of the square.
2. From the following figure below ABCD is a square with side 6cm. Find the area of the shaded region.



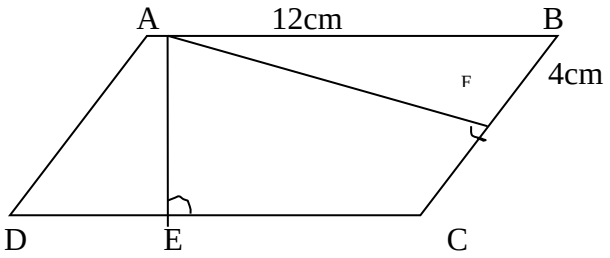
3. All the interior angle of a decagon (10- solid polygon) is equal. Find the measure of each interior angle of a decagon?
4. ABCD is a trapezium with AB // CD as show in the figure below. Whet is area of trapezium ABCD?



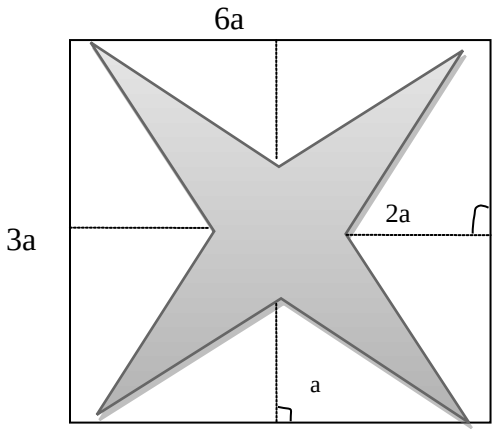
5. In the figure below what is the area of the shaded part of the rectangle?



6. ABCD is a parallelogram as show below, AE and AF are altitude of a parallelogram. Find the length of AF if AE = 3cm



7. The figure below represents a rectangular carpet with dimension as show. The shaded part it a star shaded pattern. Find the area of the shaded part if a=2



8. Could the sum of the measure of the interior angle of a polygon be 1350^0? Explain.