

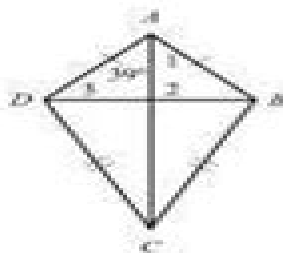
Chapter 6 Test Review

Short Answer

1. $DEFG$ is a rectangle, $DF = 5x - 5$ and $EG = x + 11$. Find the value of x and the length of each diagonal.
2. The isosceles trapezoid is part of an isosceles triangle with a 46° vertex angle. What is the measure of an acute base angle of the trapezoid? Of an obtuse base angle? The diagram is not to scale.



3. Find $m\angle 1$ and $m\angle 3$ in the kite. The diagram is not to scale.



4. $\angle J$ and $\angle M$ are base angles of isosceles trapezoid $JKLM$. If $m\angle J = 20x + 9$, and $m\angle M = 14x + 15$, find $m\angle K$.
5. $m\angle R = 130$ and $m\angle S = 80$. Find $m\angle T$. The diagram is not to scale.



6. For the parallelogram, find coordinates for P without using any new variables.

Geometry Readiness Practice Tests

Mark Steyvers



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