SIMILAR AND CONGRUENT TRIANGLES, QUADRILATERALS AND POLYGONS

<\_\_\_question>

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The ratio of the sides of two squares is 2 : 3. Which of these is the ratio of the areas of the squares ?

<\_block>

[A] 4 : 6

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

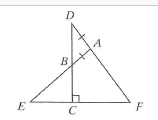
[C]

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What type of triangle is ▲*AEF* ?



<\_block>

[A] equilateral

<\_block>

[B]

<\_block>

[C] right-angled

<\_block>

[D] scalene

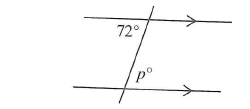
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[B]

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Which of these is the value of *P* ? 

<\_block>

[A] *p* = 72

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

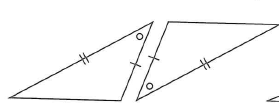
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[A]

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What test is used to prove the two triangles are congruent ? 

<\_block>

[A] *SAS*

<\_block>

[B]

<\_block>

[C] *AAS*

<\_block>

[D] *SSS*

<\_block>

[A]

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Using the formula *S = (n – 2)* x *180,* how many degrees are in a 20-sided polygon ?

<\_block>

[A] *1620°*

<\_block>

[B]

<\_block>

[C] *3240°*

<\_block>

[D] *3600°*

<\_block>

[C]

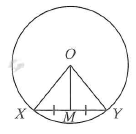
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Which of these is **not** a correct statement to prove

*▲ OXM ≡ ▲ OYM ?*

**

<\_block>

[A] *OX = OY*

<\_block>

[B]

<\_block>

[C] *XM = YM*

<\_block>

[D] *OM* is common

<\_block>

[B]

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Which of these is the angle sum of a pentagon ?

<\_block>

[A] *500°*

<\_block>

[B]

<\_block>

[C] *720°*

<\_block>

[D] *900°*

<\_block>

[B]

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Which of these is a regular quadrilateral ?

<\_block>

[A] rhombus

<\_block>

[B]

<\_block>

[C] kite

<\_block>

[D] square

<\_block>

[D]

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Which of these is the value for *x* when  *=*  ?

<\_block>

[A] *x = -2*

<\_block>

[B]

<\_block>

[C] *x = 2*

[D] *x = 5*

<\_block>

<\_block>

[D]

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Which of the following properties is **not** true for all kites ?

<\_block>

[A] The angles add to 360°

<\_block>

[B]

<\_block>

[C] Two pairs of adjacent sides are equal

<\_block>

[D] The diagonals bisect each other

<\_block>

[D]