

NAME: \_\_\_\_\_

1. 060417a  
Which phrase does *not* describe a triangle?  
[A] equilateral equiangular  
[B] obtuse right  
[C] acute scalene      [D] isosceles right
  
2. 010102a, P.I. G.G.30  
In right triangle  $ABC$ ,  $m\angle C = 3y - 10$ ,  
 $m\angle B = y + 40$ , and  $m\angle A = 90$ . What type of  
right triangle is triangle  $ABC$ ?  
[A] obtuse      [B] scalene  
[C] isosceles      [D] equilateral
  
3. 010722a, P.I. G.G.30  
If the measures of the angles of a triangle are  
represented by  $2x$ ,  $3x - 15$ , and  $7x + 15$ , the  
triangle is  
[A] an acute triangle      [B] a right triangle  
[C] an equiangular triangle  
[D] an isosceles triangle
  
4. 010810a, P.I. G.G.30  
If the measures, in degrees, of the three angles  
of a triangle are  $x$ ,  $x + 10$ , and  $2x - 6$ , the  
triangle must be  
[A] isosceles      [B] equilateral  
[C] right      [D] scalene
  
5. 060107a, P.I. G.G.31  
In isosceles triangle  $DOG$ , the measure of the  
vertex angle is three times the measure of one  
of the base angles. Which statement about  
 $\triangle DOG$  is true?  
[A]  $\triangle DOG$  is an obtuse triangle.  
[B]  $\triangle DOG$  is a scalene triangle.  
[C]  $\triangle DOG$  is an acute triangle.  
[D]  $\triangle DOG$  is a right triangle.
  
6. fall0809ge, P.I. G.G.31  
The vertices of  $\triangle ABC$  are  $A(-1, -2)$ ,  
 $B(-1, 2)$  and  $C(6, 0)$ . Which conclusion can  
be made about the angles of  $\triangle ABC$ ?  
[A]  $m\angle ABC = 60$       [B]  $m\angle ACB = 90$   
[C]  $m\angle A = m\angle B$       [D]  $m\angle A = m\angle C$

[1] B \_\_\_\_\_

[2] B \_\_\_\_\_

[3] D \_\_\_\_\_

[4] D \_\_\_\_\_

[5] A \_\_\_\_\_

[6] C \_\_\_\_\_