|  |  |
| --- | --- |
|  1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_  |
| 3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Triangle Info Homework Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**For #1-4, name the triangle

For numbers 5-8, find the missing side length.

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| 5) The perimeter of an equilateral triangle is 45cm. What is the length of each side?  | 6) If the perimeter of the triangle below is 36in find the value of x and the length of each side.   |
| 7) Two sides of an isosceles triangle are 4 less than twice the value of the third side. If the perimeter of the triangle is 42cm, what is the value of x? What are the lengths of the 3 sides?  | 8) The perimeter of an equilateral triangle is 108in. Find the length of each side. An isosceles triangle has the same perimeter, what can be the lengths of the sides?  |

For numbers 9-12, state whether the sides can form a triangle

|  |  |
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| 9) 2cm, 6cm, 4cm  | 10) 9cm, 11cm, 4cm |
| 11) 15cm, 7cm, 9cm  | 12) 60cm, 60cm, 20cm |