

Name : _____

Possible Triangles

Write the number of possible triangles that can be formed using given measurements.

1) $m\angle S = 30^\circ$, $r = 8$ in, $s = 6$ in

2) $m\angle T = 118^\circ$, $t = 10.9$ yd, $v = 5.5$ yd

3) $m\angle X = 85^\circ$, $x = 7$

32 in, $q = 27$ in

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5) $m\angle H = 120^\circ$, $g =$

$= 44$ ft, $b = 42.7$ ft

Possible Triangles

Write the number of possible triangles that can be formed using given measurements.

1) $m\angle S = 30^\circ, r = 8 \text{ in}, s = 6 \text{ in}$

2) $m\angle T = 118^\circ, t = 10.9 \text{ yd}, v = 5.5 \text{ yd}$

Two triangles**angle**

3) $m\angle X = 85^\circ, x = 7$

32 in, $q = 27 \text{ in}$

One triangle**angle**

5) $m\angle H = 120^\circ, g =$

44 ft, $b = 42.7 \text{ ft}$

No triangle**Two triangles**

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