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Angle measure in a Triangle Worksheet

Find the measure of each unknown angle in the given triangles

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

4 \_\_\_\_\_

5 \_\_\_\_\_

6 \_\_\_\_\_

7 \_\_\_\_\_

8 \_\_\_\_\_

9 \_\_\_\_\_

10 \_\_\_\_\_

11 \_\_\_\_\_

12 \_\_\_\_\_

Finding Supplementary Angles Name: \_\_\_\_\_

Find the value of 'A' in the set of supplementary angles.

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

4) \_\_\_\_\_

5) \_\_\_\_\_

6) \_\_\_\_\_

7) \_\_\_\_\_

8) \_\_\_\_\_

9) \_\_\_\_\_

10) \_\_\_\_\_

**Answers**

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

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Triangle - Interior Angle 151

Example: Sum of the interior angles = 180°  
 $100^\circ + 40^\circ + 20^\circ = 180^\circ$   
 $160^\circ + \angle C = 180^\circ$   
 $\angle C = 180^\circ - 160^\circ = 20^\circ$

Find the value of x and unknown interior angle for each triangle.

1) x = \_\_\_\_\_ ;  $\angle R =$  \_\_\_\_\_

2) x = \_\_\_\_\_ ;  $\angle D =$  \_\_\_\_\_

3) x = \_\_\_\_\_ ;  $\angle P =$  \_\_\_\_\_

4) x = \_\_\_\_\_ ;  $\angle D =$  \_\_\_\_\_

5) x = \_\_\_\_\_ ;  $\angle T =$  \_\_\_\_\_

6) x = \_\_\_\_\_ ;  $\angle I =$  \_\_\_\_\_

7) x = \_\_\_\_\_ ;  $\angle Y =$  \_\_\_\_\_

8) x = \_\_\_\_\_ ;  $\angle A =$  \_\_\_\_\_

9) x = \_\_\_\_\_ ;  $\angle C =$  \_\_\_\_\_

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