

Solve each Triangle:

1. $\triangle ABC$ $\triangle ABC$ (2ndPossible \triangle)
 $A = \underline{\hspace{2cm}}$ $a = 4cm$ $A = \underline{\hspace{2cm}}$ $a = 4cm$
 $B = 34^\circ$ $b = 3cm$ $B = 34^\circ$ $b = 3cm$
 $C = \underline{\hspace{2cm}}$ $c = \underline{\hspace{2cm}}$ $C = \underline{\hspace{2cm}}$ $c = \underline{\hspace{2cm}}$

2. $\triangle XYZ$ $\triangle XYZ$ (2ndPossible \triangle)
 $X = 13^\circ$ $x = 12ft$ $X = 13^\circ$ $x = 12ft$
 $Y = \underline{\hspace{2cm}}$ $y = 5ft$ $Y = \underline{\hspace{2cm}}$ $y = 5ft$
 $Z = \underline{\hspace{2cm}}$ $z = \underline{\hspace{2cm}}$ $Z = \underline{\hspace{2cm}}$ $z = \underline{\hspace{2cm}}$

3. $\triangle ABC$ $\triangle ABC$ (2ndPossible \triangle)
 $A = \underline{\hspace{2cm}}$ $a = 4cm$ $A = \underline{\hspace{2cm}}$ $a = 4cm$
 $B = 34^\circ$ $b = 5cm$ $B = 34^\circ$ $b = 5cm$
 $C = \underline{\hspace{2cm}}$ $c = \underline{\hspace{2cm}}$ $C = \underline{\hspace{2cm}}$ $c = \underline{\hspace{2cm}}$

4. $\triangle XYZ$ $\triangle XYZ$ (2ndPossible \triangle)
 $X = 13^\circ$ $x = 12ft$ $X = 13^\circ$ $x = 12ft$
 $Y = \underline{\hspace{2cm}}$ $y = 15ft$ $Y = \underline{\hspace{2cm}}$ $y = 15ft$
 $Z = \underline{\hspace{2cm}}$ $z = \underline{\hspace{2cm}}$ $Z = \underline{\hspace{2cm}}$ $z = \underline{\hspace{2cm}}$

5. $\triangle ABC$ $\triangle ABC$ (2ndPossible \triangle)
 $A = \underline{\hspace{2cm}}$ $a = 4cm$ $A = \underline{\hspace{2cm}}$ $a = 4cm$
 $B = 34^\circ$ $b = 2cm$ $B = 34^\circ$ $b = 2cm$
 $C = \underline{\hspace{2cm}}$ $c = \underline{\hspace{2cm}}$ $C = \underline{\hspace{2cm}}$ $c = \underline{\hspace{2cm}}$

6. $\triangle XYZ$ $\triangle XYZ$ (2ndPossible \triangle)
 $X = 13^\circ$ $x = 12ft$ $X = 13^\circ$ $x = 12ft$
 $Y = \underline{\hspace{2cm}}$ $y = 60ft$ $Y = \underline{\hspace{2cm}}$ $y = 60ft$
 $Z = \underline{\hspace{2cm}}$ $z = \underline{\hspace{2cm}}$ $Z = \underline{\hspace{2cm}}$ $z = \underline{\hspace{2cm}}$

Solve each Triangle:

7. $\triangle RST$	$\triangle RST$ (2ndPossible \triangle)
$R = 130^\circ$ $r = 20\text{ in}$	$R = 130^\circ$ $r = 20\text{ in}$
$S = \underline{\hspace{2cm}}$ $s = \underline{\hspace{2cm}}$	$S = \underline{\hspace{2cm}}$ $s = \underline{\hspace{2cm}}$
$T = \underline{\hspace{2cm}}$ $t = 16\text{ in}$	$T = \underline{\hspace{2cm}}$ $t = 16\text{ in}$

8. $\triangle OBT$	$\triangle OBT$ (2ndPossible \triangle)
$O = 170^\circ$ $o = 19\text{ m}$	$O = 170^\circ$ $o = 19\text{ m}$
$B = \underline{\hspace{2cm}}$ $b = \underline{\hspace{2cm}}$	$B = \underline{\hspace{2cm}}$ $b = \underline{\hspace{2cm}}$
$T = \underline{\hspace{2cm}}$ $t = 11\text{ m}$	$T = \underline{\hspace{2cm}}$ $t = 11\text{ m}$

9. $\triangle ABC$	$\triangle ABC$ (2ndPossible \triangle)
$A = 19^\circ$ $a = 25\text{ mi}$	$A = 19^\circ$ $a = 25\text{ mi}$
$B = \underline{\hspace{2cm}}$ $b = \underline{\hspace{2cm}}$	$B = \underline{\hspace{2cm}}$ $b = \underline{\hspace{2cm}}$
$C = \underline{\hspace{2cm}}$ $c = 30\text{ mi}$	$C = \underline{\hspace{2cm}}$ $c = 30\text{ mi}$

10. $\triangle HSC$	$\triangle HSC$ (2ndPossible \triangle)
$H = 28^\circ$ $h = 50\text{ mm}$	$H = 28^\circ$ $h = 50\text{ mm}$
$S = \underline{\hspace{2cm}}$ $s = \underline{\hspace{2cm}}$	$S = \underline{\hspace{2cm}}$ $s = \underline{\hspace{2cm}}$
$C = \underline{\hspace{2cm}}$ $c = 20\text{ mm}$	$C = \underline{\hspace{2cm}}$ $c = 20\text{ mm}$

11. $\triangle XYZ$	$\triangle XYZ$ (2ndPossible \triangle)
$X = 58^\circ$ $x = 9.3\text{ cm}$	$X = 58^\circ$ $x = 9.3\text{ cm}$
$Y = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$	$Y = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$
$Z = \underline{\hspace{2cm}}$ $z = 7.5\text{ cm}$	$Z = \underline{\hspace{2cm}}$ $z = 7.5\text{ cm}$

12. $\triangle BIG$	$\triangle BIG$ (2ndPossible \triangle)
$B = 110^\circ$ $b = 1000\text{ yd}$	$B = 110^\circ$ $b = 1000\text{ yd}$
$I = \underline{\hspace{2cm}}$ $i = \underline{\hspace{2cm}}$	$I = \underline{\hspace{2cm}}$ $i = \underline{\hspace{2cm}}$
$G = \underline{\hspace{2cm}}$ $g = 900\text{ yd}$	$G = \underline{\hspace{2cm}}$ $g = 900\text{ yd}$