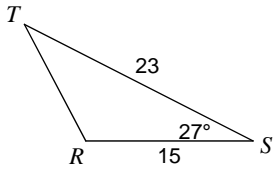
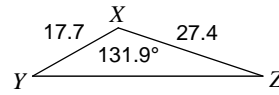
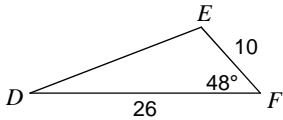
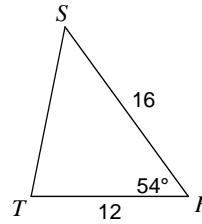
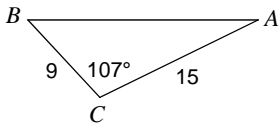
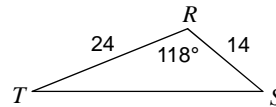
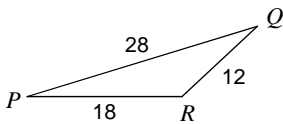
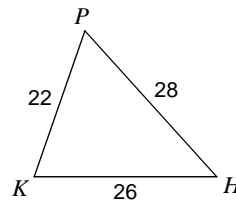
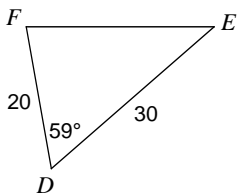
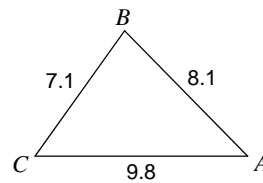


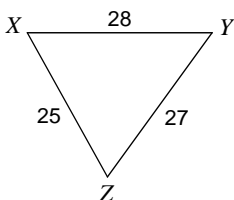
The Law of Cosines

Find each measurement indicated. Round your answers to the nearest tenth.

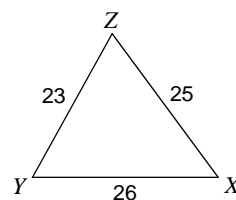
1) Find RT 2) Find YZ 3) Find DE 4) Find ST 5) Find $m\angle A$ 6) Find $m\angle S$ 7) Find $m\angle R$ 8) Find $m\angle H$ 9) Find $m\angle E$ 10) Find $m\angle A$ 

Solve each triangle. Round your answers to the nearest tenth.

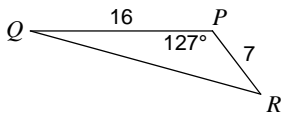
11)



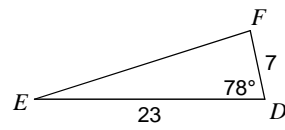
12)



13)



14)



15) In $\triangle STR$, $m\angle S = 117.8^\circ$, $r = 20.4$, $t = 22.1$

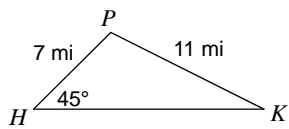
16) In $\triangle RPQ$, $q = 11$, $p = 22$, $m\angle R = 96^\circ$

17) In $\triangle RST$, $s = 13$, $r = 30$, $t = 20$

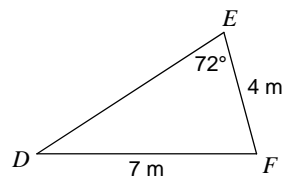
18) In $\triangle ABC$, $a = 19.8$, $b = 19.1$, $c = 16.7$

Find the area of each triangle to the nearest tenth.

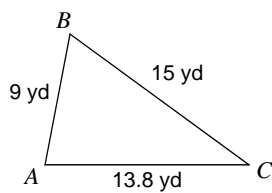
19)



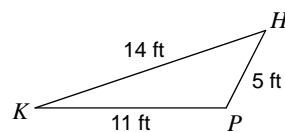
20)



21)



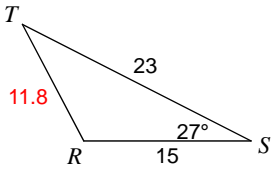
22)



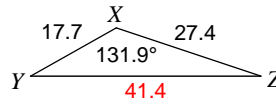
The Law of Cosines

Find each measurement indicated. Round your answers to the nearest tenth.

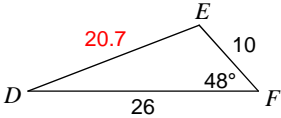
1) Find RT



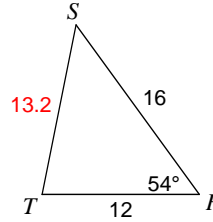
2) Find YZ



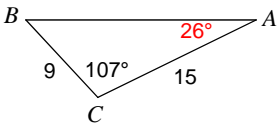
3) Find DE



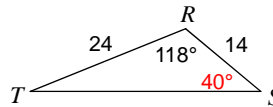
4) Find ST



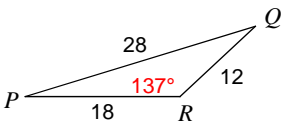
5) Find $m\angle A$



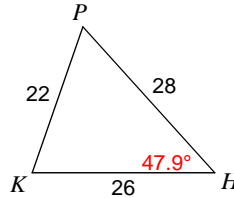
6) Find $m\angle S$



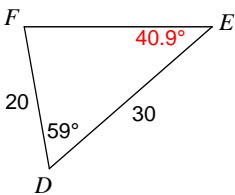
7) Find $m\angle R$



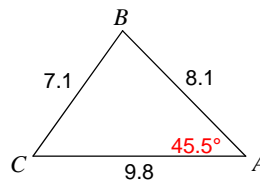
8) Find $m\angle H$



9) Find $m\angle E$

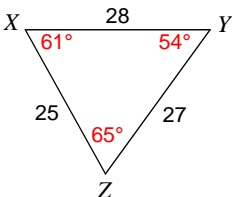


10) Find $m\angle A$

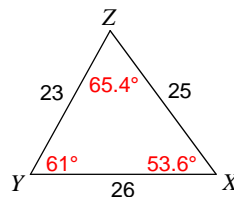


Solve each triangle. Round your answers to the nearest tenth.

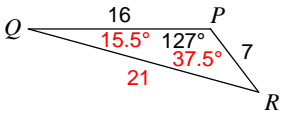
11)



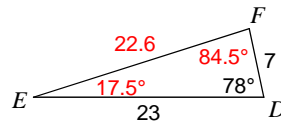
12)



13)



14)



15) In $\triangle STR$, $m\angle S = 117.8^\circ$, $r = 20.4$, $t = 22.1$

$m\angle T = 32.5^\circ$, $m\angle R = 29.7^\circ$, $s = 36.4$

16) In $\triangle RPQ$, $q = 11$, $p = 22$, $m\angle R = 96^\circ$

$m\angle P = 58.7^\circ$, $m\angle Q = 25.3^\circ$, $r = 25.6$

17) In $\triangle RST$, $s = 13$, $r = 30$, $t = 20$

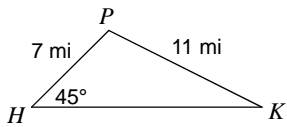
$m\angle R = 129.6^\circ$, $m\angle S = 19.5^\circ$, $m\angle T = 30.9^\circ$

18) In $\triangle ABC$, $a = 19.8$, $b = 19.1$, $c = 16.7$

$m\angle A = 66.8^\circ$, $m\angle B = 62.4^\circ$, $m\angle C = 50.8^\circ$

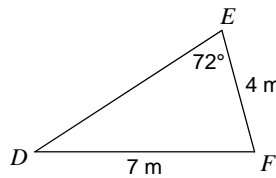
Find the area of each triangle to the nearest tenth.

19)



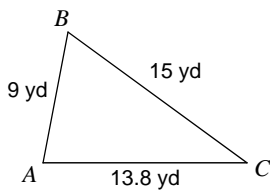
36.6 mi^2

20)



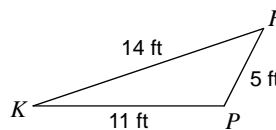
13.5 m^2

21)



61 yd^2

22)



24.5 ft^2