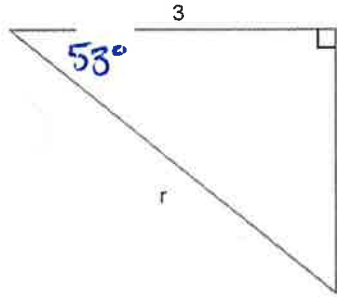


Name: _____

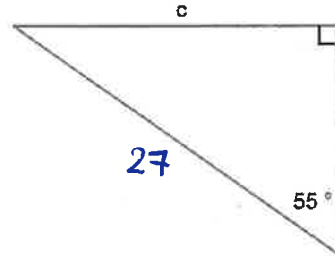
Final Exam Review Pack – Section 4

Find the side indicated by the variable. Round to the nearest tenth.

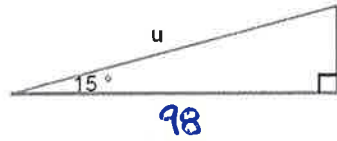
1. $r =$ _____



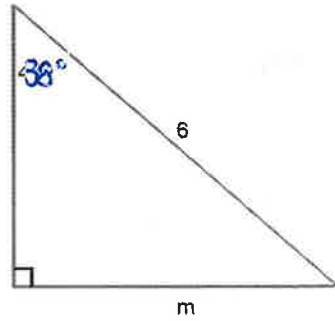
2. $c =$ _____



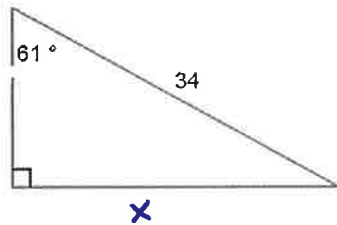
3. $u =$ _____



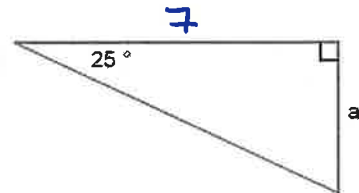
4. $m =$ _____



5. $v =$ _____

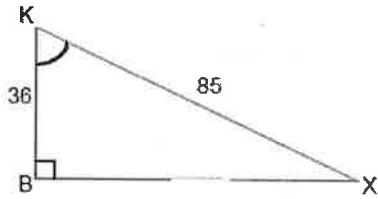


6. $a =$ _____

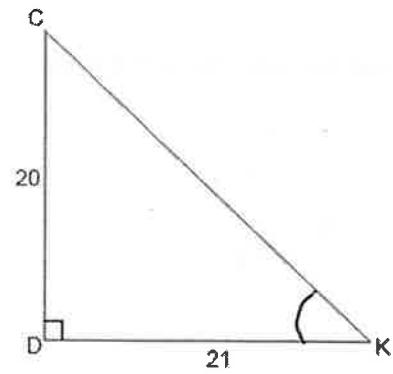


Find the measure of the indicated angle to the nearest degree.

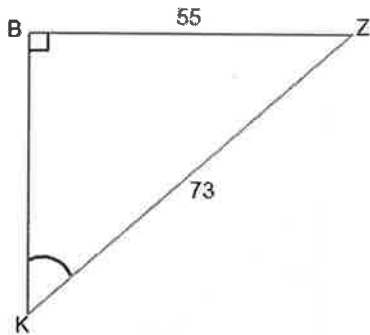
1) $m\angle K = \underline{\hspace{2cm}}^\circ$



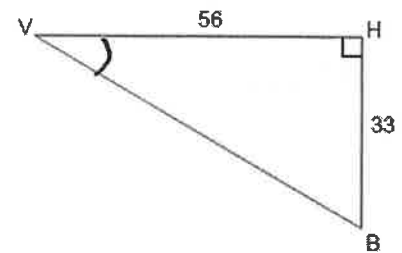
2) $m\angle K = \underline{\hspace{2cm}}^\circ$



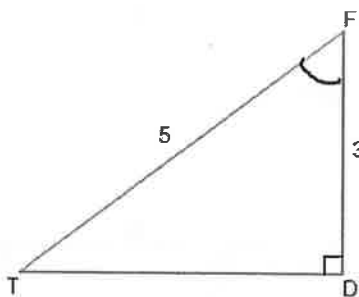
3) $m\angle K = \underline{\hspace{2cm}}^\circ$



4) $m\angle V = \underline{\hspace{2cm}}^\circ$



5) $m\angle F = \underline{\hspace{2cm}}^\circ$

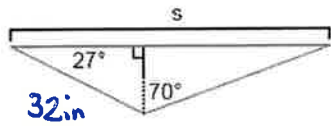


6) $m\angle D = \underline{\hspace{2cm}}^\circ$

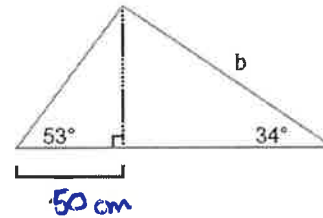


Find the variable side. Round the intermediate and final values to the nearest tenth.

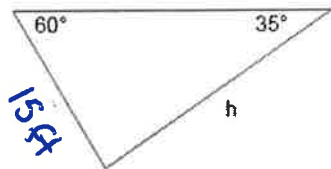
1) $s = \underline{\hspace{1cm}}$ in



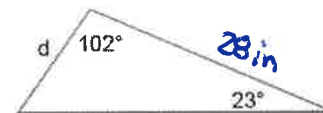
2) $b = \underline{\hspace{1cm}}$ cm



3) $h = \underline{\hspace{1cm}}$ ft

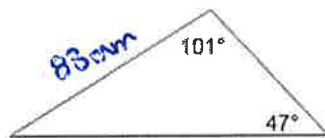


4) $d = \underline{\hspace{1cm}}$ in

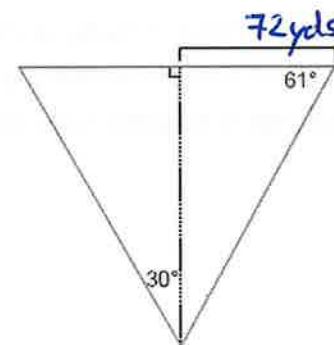


Find the area of each triangle. Round the intermediate and final values to the nearest tenth.

5) Area = $\underline{\hspace{1cm}}$ mm²



6) Area = $\underline{\hspace{1cm}}$ yd²



19. The area of a right angle triangle is 100. One of the angles is 35° . Find the lengths of the legs and the hypotenuse of the triangle, round to the nearest tenth.
20. From the top of a 400 meters high building, the angle of depression to the bottom of a second building is 25 degrees. From the bottom of the building, the angle of elevation to the top of the second building is 15 degrees. Calculate the height of the second building to the nearest meter.
21. After an hour of flying, a jet has covered 4200km , but winds have blown it off course. The instruments on the plane show that it is 52km East of the planned flight path. By how many degrees is the plane off course?