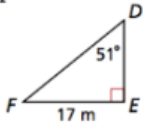


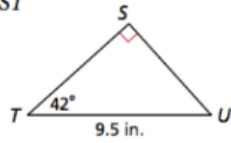
Trigonometric Ratios Worksheet

Find each length. Round to the nearest hundredth.

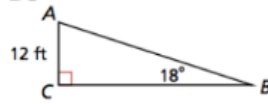
1. DF



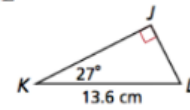
2. ST



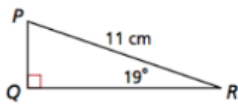
3. BC



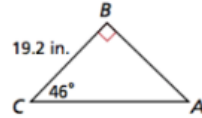
4. JL



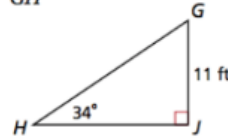
5. PQ



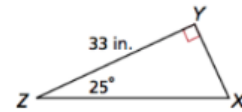
6. AC



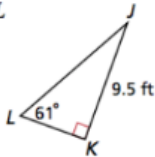
7. GH



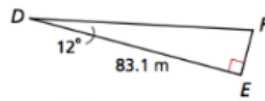
8. XZ



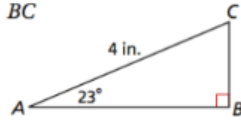
9. KL



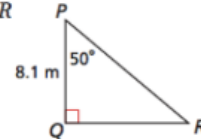
10. EF



11. BC



12. QR



13. **Architecture** A pediment has a pitch of 15° , as shown. If the width of the pediment, WZ , is 56 ft, what is XY to the nearest inch?

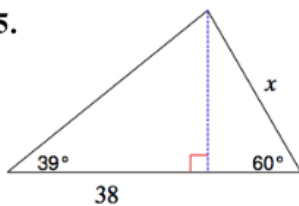


14. **Sports** A jump ramp for waterskiing makes an angle of 15° with the surface of the water. The ramp rises 1.58 m above the surface. What is the length of the ramp to the nearest hundredth of a meter?

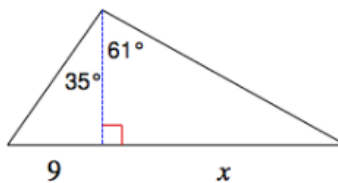


Multi-Step Find the length of the side labeled x . Round final answers to the nearest tenth.

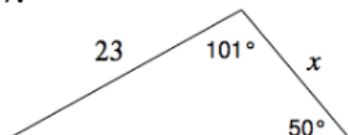
15.



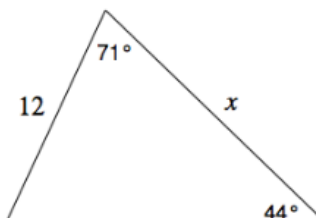
16.



17.

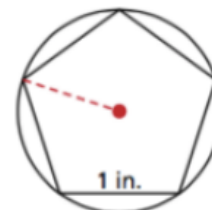


18.



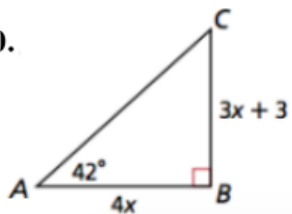
19. **Multi-Step**

A regular pentagon with 1 in. sides is inscribed in a circle. Find the radius of the circle rounded to the nearest hundredth.



Algebra Find the value of x . Then find AB , BC , and AC . Round each to the nearest unit.

20.



20.

