

Reservoir Park Compass Course WORKSHEET
Bearing and Distance

1. Establish your pace using the 100- foot distance pace markers “Y” and “Z” along the north side of the parking lot across from the playground. Marker “Y” is near the sign board and marker “Z” is to the southeast near some large rocks.
2. Write down letters in the order that they are found in and put them in the space provided. **Start at Marker “Y”:**

- Set a compass bearing of 124 and walk 100 feet to the next marker. Z
- Set a compass bearing of 137 and walk 64 feet to the next marker.
- Set a compass bearing of 37 and walk 163 feet to the next marker.
- Set a compass bearing of 33 and walk 316 feet to the next marker.
- Set a compass bearing of 283 and walk 265 feet to the next marker.
- Set a compass bearing of 198 and walk 162 feet to the next marker.
- Set a compass bearing of 108 and walk 343 feet to the next marker.
- Set a compass bearing of 214 and walk 220 feet to the next marker.
- Set a compass bearing of 182 and walk 128 feet to the next marker.
- Set a compass bearing of 98 and walk 293 feet to the next marker.
- Set a compass bearing of 189 and walk 253 feet to the next marker.
- Set a compass bearing of 177 and walk 169 feet to the next marker.
- Set a compass bearing of 348 and walk 503 feet to the next marker.
- Set a compass bearing of 186 and walk 356 feet to the next marker.
- Set a compass bearing of 223 and walk 148 feet to the next marker.
- Set a compass bearing of 346 and walk 254 feet to the next marker.
- Set a compass bearing of 275 and walk 155 feet to the next marker.
- Set a compass bearing of 318 and walk 278 feet to the next marker.
- Set a compass bearing of 178 and walk 239 feet to the next marker.
- Set a compass bearing of 250 and walk 143 feet to the next marker.
- Set a compass bearing of 146 and walk 158 feet to the next marker.
- Set a compass bearing of 27 and walk 353 feet to the next marker.
- Set a compass bearing of 331 and walk 130 feet to the next marker.
- Set a compass bearing of 11 and walk 177 feet to the next marker.

RESERVOIR PARK COMPASS COURSE

Course Information

This course was an Eagle Project done by Thomas Hopkins of Boy Scout Troop 30 in Little Rock, Arkansas. The purpose of this course is to provide an opportunity to teach compass skills. The course consists of a one-mile point-to-point compass course. A map and instructions for the course have been posted in the sign cabinet at the start of the course in Reservoir park. These materials can also be obtained from the Little Rock Parks and Recreation web page (www.littlerock.gov/for-residents/parks-and-recreation/city-parks-and-maps/). Copies are also available from the Boy Scouts of America office located at 3220 Cantrell Road in Little Rock, Arkansas.

Using the course

1. **The point-to-point compass course** consists of a series of aluminum surveying markers which are engraved with "Reservoir Park Compass Course Eagle Project T-30" and stamped with a letter on the surface of each marker. The survey markers were installed flush at ground level throughout Reservoir Park. A park map and the compass coordinates can be obtained at Littlerock.gov, at the BSA Scout Office in Little Rock, or you can take a picture of the map and coordinates located in the sign cabinet at the start of the course.
2. **Establish your pace distance** or stride before beginning the course. There are 2 markers "Y" and "Z" spaced 100 feet apart to help you determine your pace. Start at the survey marker "Y", which is right next to the sign board. Now count the number of steps that it takes you to reach survey marker "Z", located SE from "Y" along the north side of the parking lot. Take normal comfortable steps. Mark your pace steps 2 or 3 times and take the average number, this will be your pace number for 100 feet.

Each marker is located using a compass bearing for direction and the distance in feet between each marker. Use your pace count to calculate the number of steps needed to reach your next marker. For example, if your pace is 50 steps to reach 100 feet and the distance to the next marker is 315 feet, you will calculate 315 feet divided by 100 divided by the number of steps in your pace. $315/100 = 3.15 \times 50 = 157.5$ steps

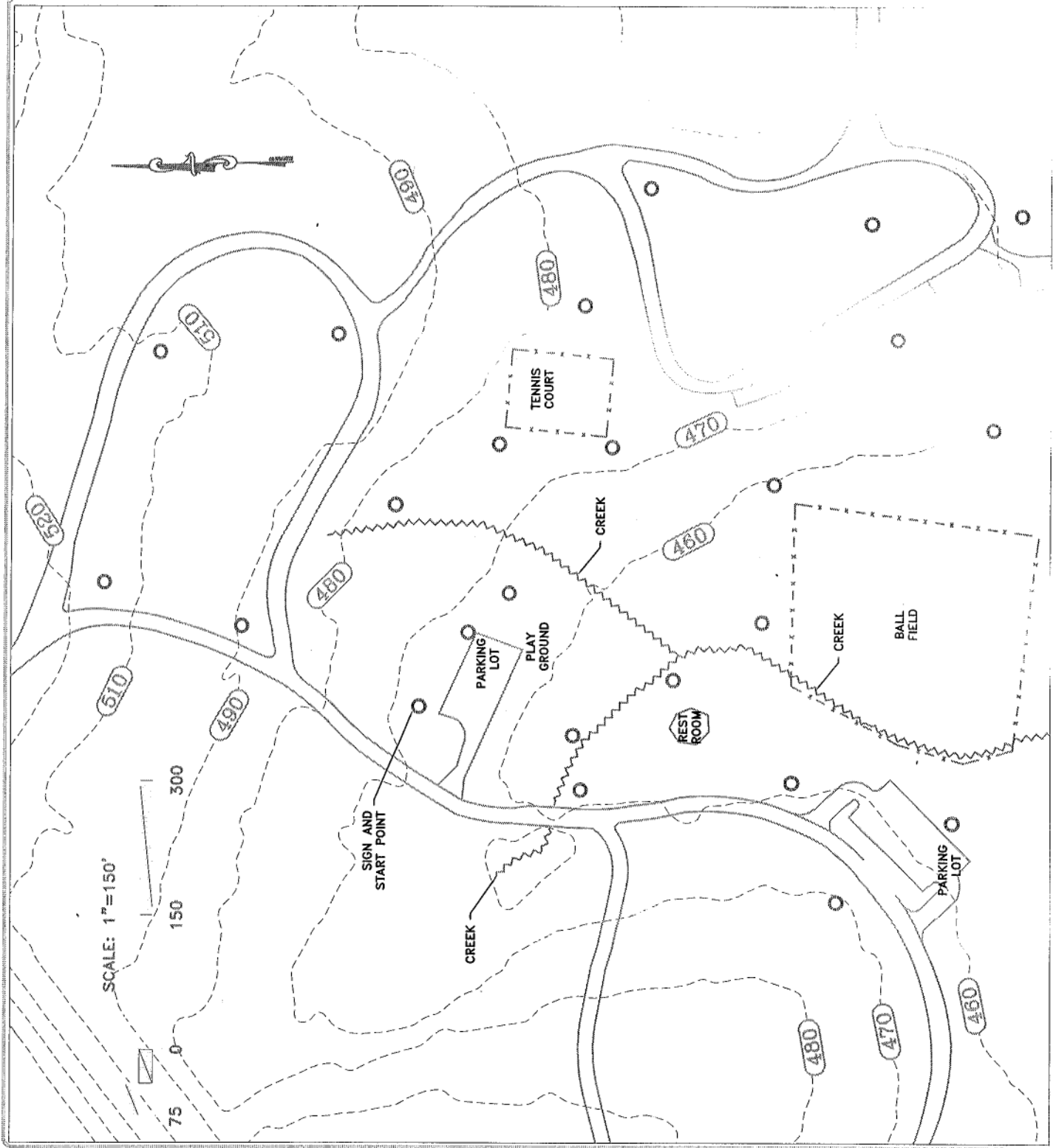
3. **How to use the compass to determine direction.** First, stand over the marker and rotate the compass wheel to the indicated bearing. Hold the compass to your chest and turn your body until the red end of the needle points at the N. Use the sights on the compass to identify a tree or other object in the distance that lines up to your compass bearing. Pace yourself as you walk towards the sighted object and estimate your distance.

When you reach the area where you think the marker is in, begin to look around. It may be under some brush! Whenever you find the marker write down the letter located on the marker on your worksheet. Repeat the above process for finding the next marker.

4. When you have finished check the key to see if you located all the markers and in the correct order. The key is also located on the Parks and Recreation web page or from the Scout Office.

COURSE MAP
 COURSES / ORIENTEERING COURSE
 RESEVION PARK
 LITTLE ROCK, AR
 PULASKI COUNTY, ARKANSAS

BOY SCOUTS OF AMERICA
 HOOP 33
 FOR HOPKINS
 EAGLE SPOOT PROJECT
 COURSE MAP

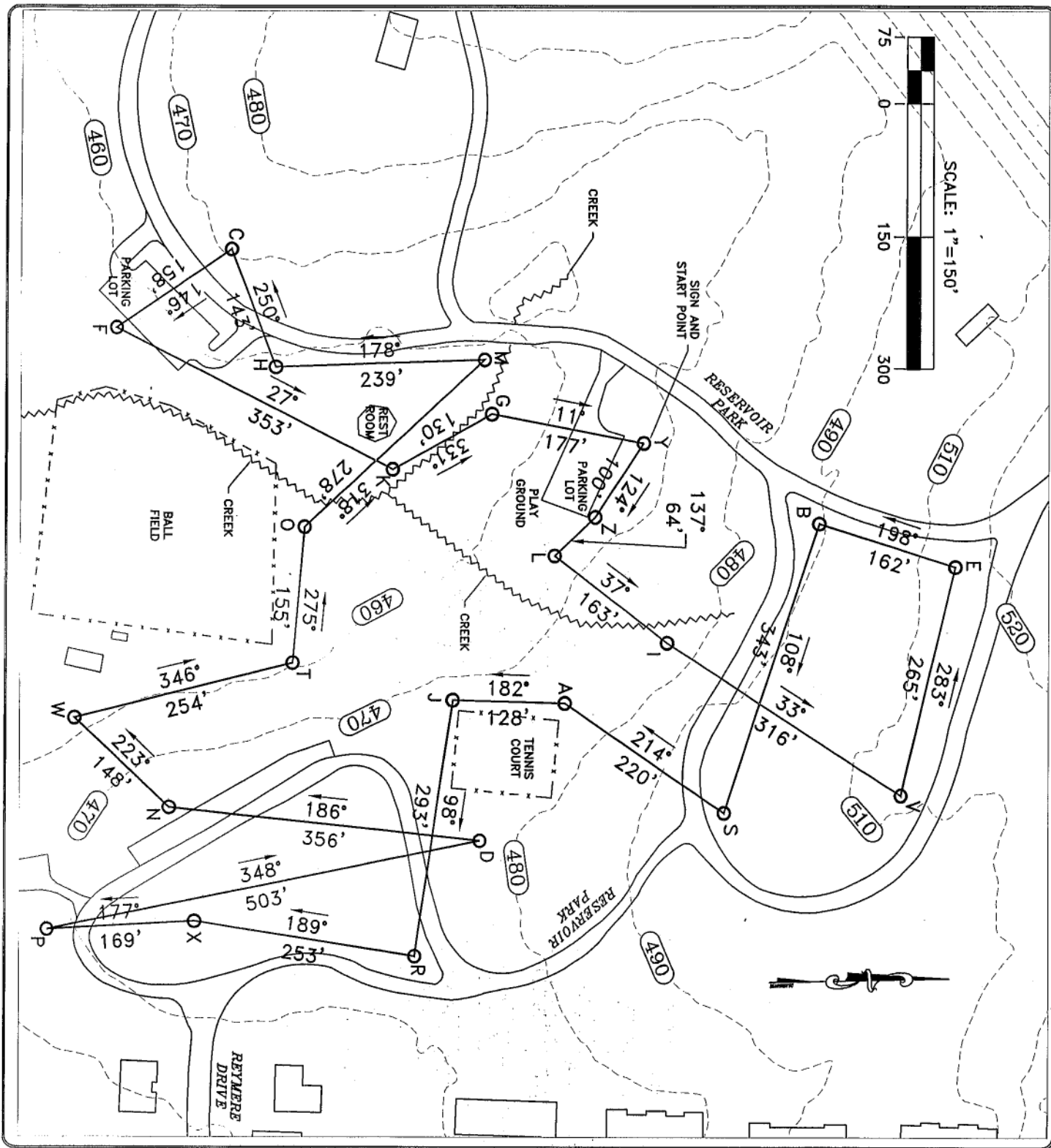


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ANSWER KEY
Reservoir Park Compass Course

1. Establish your pace using the 100- foot distance pace markers “Y” and “Z” along the north side of the parking lot across from the playground. Marker “Y” is near the sign board and marker “Z” is to the southeast near some large rocks.
2. Write down letters in the order that they are found in and put them in the space provided. **Start at Marker “Y”:**

Set a compass bearing of <u>124</u> and walk <u>100</u> feet to the next marker.	<u>Z</u>
Set a compass bearing of <u>137</u> and walk <u>64</u> feet to the next marker.	<u>L</u>
Set a compass bearing of <u>37</u> and walk <u>163</u> feet to the next marker.	<u>I</u>
Set a compass bearing of <u>33</u> and walk <u>316</u> feet to the next marker.	<u>V</u>
Set a compass bearing of <u>283</u> and walk <u>265</u> feet to the next marker.	<u>E</u>
Set a compass bearing of <u>198</u> and walk <u>162</u> feet to the next marker.	<u>B</u>
Set a compass bearing of <u>108</u> and walk <u>343</u> feet to the next marker.	<u>S</u>
Set a compass bearing of <u>214</u> and walk <u>220</u> feet to the next marker.	<u>A</u>
Set a compass bearing of <u>182</u> and walk <u>128</u> feet to the next marker.	<u>J</u>
Set a compass bearing of <u>98</u> and walk <u>293</u> feet to the next marker.	<u>R</u>
Set a compass bearing of <u>189</u> and walk <u>253</u> feet to the next marker.	<u>X</u>
Set a compass bearing of <u>177</u> and walk <u>169</u> feet to the next marker.	<u>P</u>
Set a compass bearing of <u>348</u> and walk <u>503</u> feet to the next marker.	<u>D</u>
Set a compass bearing of <u>186</u> and walk <u>356</u> feet to the next marker.	<u>N</u>
Set a compass bearing of <u>223</u> and walk <u>148</u> feet to the next marker.	<u>W</u>
Set a compass bearing of <u>346</u> and walk <u>254</u> feet to the next marker.	<u>T</u>
Set a compass bearing of <u>275</u> and walk <u>155</u> feet to the next marker.	<u>O</u>
Set a compass bearing of <u>318</u> and walk <u>278</u> feet to the next marker.	<u>M</u>
Set a compass bearing of <u>178</u> and walk <u>239</u> feet to the next marker.	<u>H</u>
Set a compass bearing of <u>250</u> and walk <u>143</u> feet to the next marker.	<u>C</u>
Set a compass bearing of <u>146</u> and walk <u>158</u> feet to the next marker.	<u>F</u>
Set a compass bearing of <u>27</u> and walk <u>353</u> feet to the next marker.	<u>K</u>
Set a compass bearing of <u>331</u> and walk <u>130</u> feet to the next marker.	<u>G</u>
Set a compass bearing of <u>11</u> and walk <u>177</u> feet to the next marker.	<u>Y</u>



DATE	02/06/2018
SCALE	1" = 150'
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BOY SCOUTS OF AMERICA
TROOP 30
TOM HOPKINS
EAGLE SCOUT PROJECT
COURSE KEY MAP

COURSE KEY MAP
COMPASS / ORIENTEERING COURSE
RESEVIOR PARK
LITTLE ROCK, AR
PULASKI COUNTY, ARKANSAS

DATE	
SCALE	
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