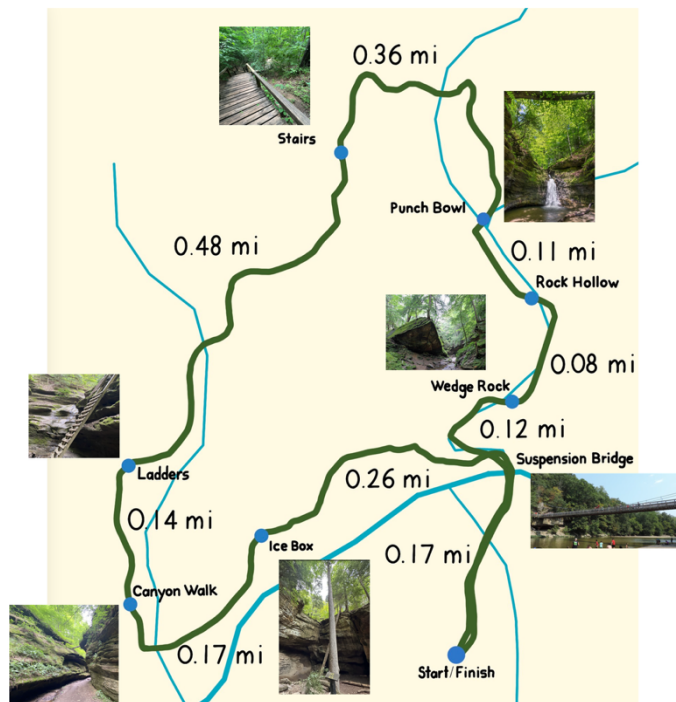


Camping 6th – 8th Grade

Figure 1: Trail #3 for Turkey Run State Park.



1. John has a hiking rate of 18 minutes per mile. He begins trail #3 at 2:35 pm. At what time will he complete the trail? Justify your answer.

2. Drew and his family are camping at Turkey Run State Park. Everyone must complete their hiking by sundown. Drew has a hiking rate of 20 minutes per mile and his son Joseph has a hiking rate of 38 minutes per mile. The start of trail 3 is a 25-minute hike from their camper. Sundown is at 9:15 pm. What is the latest time Drew and Joseph can begin their hike and make it back to the camper before sundown? Justify your answer.

3. Jordan and his family are planning their camping trip. Heartland RV Park has nightly, weekly, and monthly rates. Table 1 shows the cost for each.

Table 1: Costs for Salt Lake Park

Duration	Cost
Nightly	\$60
Weekly	\$235
Monthly	\$650

What is the minimum number of nights for Jordan and his family to camp for the monthly rate to be the least expensive? Justify your answer.
