

## Chapter 6 Project Checklist

This worksheet will help you complete the chapter project on page 302.

**1.** For the design of my coaster ride

- ☐ the face of the mountain is in the shape of a 12-cm by 12-cm square
- ☐ the ride starts at a top corner and ends at the bottom corner on the opposite side
- ☐ the ride includes 3, 4, 5, or 6 segments (Circle one.)
- ☐ the slope of each segment of the ride is 20% or less

The slopes of the segments are

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**2.** The maximum angle of elevation for each segment of the coaster is

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**3.** For the sketch of my model

- ☐ I used grid paper
- ☐ I labelled all of the dimensions
- ☐ I included a calculation of the slope of each segment

**Hint:** Make sure the slope is 20% or less.

**4.** The total length of the coaster in the model is

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**5.** The materials I will use for the model of the mountain face and the coaster are

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Create the model.

