































































3-1.7 For which of the following motions of a car does the net change in velocity vector have the greatest magnitude? (All motions occur at the same constant speed.)

- 1. A 90° right turn at constant speed
- 2. A U-turn at constant speed
- 3. A 270° turn on a highway onramp
- 4. The change in velocity is zero for all three motions.

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 3-1.8 A car moves along the path shown.

 Velocity vectors at two different points

 are sketched. Which of the arrows below

 most closely represents the direction of

 the average acceleration?

 1.
 2.

 3.
 4.

 Yetter
 4.

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