9.03 Avoiding Collisions & Minimizing Impact Worksheet

Name: _____________________________________________ Date: ________________

Section 1

Directions: Using the Emergency Maneuvering Fact Sheet complete this worksheet by filling in the blanks.

In every emergency your ______ take over. There is no time to think “________________” you just do it, right or wrong. It is vital that you habitually see ______________ develop and ______________ for alternate escape routes. It is also necessary to look to the ______ beyond your open escape path. It is critical that you aim ______________ the open path prior to any evasive action ______ maneuver.

The technique of stopping as quickly as possible in an emergency _______________ is known as threshold braking. These situations come up most often because the driver is not alert to LOS-POT __________, is __________ too closely and/or is __________ by some other factor. To effectively utilize this technique push on the brakes as hard as possible ______ locking up the wheels. A slight _______ of brake pressure or __________ used to _______ during the last second or two of the stop and as part of the ___________ used when making an ___________. Braking too hard and locking the wheels results in a __________, increases ___________ and __________ or eliminates ______ control. The threshold braking technique ______ your chances of being hit from the ______. If skidding does develop, the ______ technique will release the _______ action.

In most emergencies, steering can be more __________ than braking to avoid conflict. The use of evasive action steering will allow you to __________ an open _______ path. It is critical that you habitually ____________ for an escape path and aim ______ the ________ to the ______ prior to any evasive action steering maneuver. If you see a problem but don’t have the ______ of finding an open escape path and aiming through it to the target area your steering inputs will be too _______ or too ______. Too much steering _______ can result in an out of control ______ or worse. Too little input can result in an unsuccessful attempt to ______ a potentially serious problem or ______. Evasive steering requires 3 steering actions: The first moves the only the front of your vehicle. This initial steering action inputs only the ______ amount of steering required to avoid an obstacle. The _______ action moves the _______ of the vehicle away from the obstacle and requires ______ the ______ input as the first action. The third action straightens the vehicle as you move around the obstacle. It requires steering input in the amount equal to the ______ input. That is one reason it is best to stay ___ the ______ and ___ pedal thus ______ the speed and steering forces ______ to using evasive steering.

Section 2

Directions: In the following situations, evasive actions are necessary. During the class activity use the spaces provided to write what visual pattern and evasive action sequence you would use to avoid an impact.

Here are your evasive action choices:

<table>
<thead>
<tr>
<th>Vision</th>
<th>Speed Control</th>
<th>Steering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target open space</td>
<td>Off Pedals</td>
<td>Evasive Steer: Rt., Lt., Straight</td>
</tr>
<tr>
<td>See LOS POT problem</td>
<td>Threshold Brake</td>
<td>Evasive Steer: Lt., Rt., Straight</td>
</tr>
<tr>
<td>Check related zone(s)</td>
<td>Trail Brake</td>
<td>Hold Wheel Straight</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Control Steering</td>
</tr>
</tbody>
</table>

You are always the driver of the white car.
Situation # 1: Car approaching crossing center line into your lane

Visual Pattern:

Evasive Action Behavioral Sequence:

Situation # 2: As you round a curve at 40 mph, you come upon a stalled vehicle in your lane

Visual Pattern:

Evasive Action Behavioral Sequence:
**Situation # 3:** As you round a curve at 40 mph, you come upon a stalled vehicle in your lane and an approaching car visible in the oncoming lane.

**Visual Pattern:**

**Evasive Action Behavioral Sequence:**

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**Situation # 4:** A car turns in front of you in an intersection at the last minute

**Visual Pattern:**

**Evasive Action Behavioral Sequence:**