**Alg 2: 3.1 and 3.2—Fines for Speeding**

The amount a driver is fined for speeding is a function of the amount by which the speed exceeds the legal speed limit. In some states these functions are linear functions; in other states they are piecewise linear.

Using the fines table below, describe the speeding-fine function using:

1. a table



1. a graph. What are the domain and range?
2. What type of function is this?
(i.e. direct or inverse variation, quadratic, exponential, linear, etc)
3. an equation

All data from

<http://www.mitrafficticket.com/mitrafficticket/pause/fines_costs.htm>

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| **SPEEDING**  |
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| 1-5 mph over limit (2) | (Limited Access/0pts) | $90.00 |
| 6-10 mph over limit (2) | (Limited Access/1pts) | $105.00 |
| 11-15 mph over limit (3) | (Limited Access/2pts) | $120.00 |
| 16-25 mph over limit (4) | (Limited Access/3pts) | $140.00 |
| 26+ mph over limit (4)  | (Limited Access/3pts)  | $155.00+ $4.00 per mile |
| Violation of Basic Speed Law (2) |  | $90.00 |
| Drove below minimum speed (2) |  | $90.00 |

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| **MOVING VIOLATIONS**  |
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| Amber/Caution Light  (3) | $100.00 |
| Careless Driving (3) | $180.00 |
|      \*Careless Driving / ACCIDENT (3) | $205.00 |
| Cutting in and out of Traffic  (2) | $95.00 |
| Drove over fire hose (2) | $95.00 |
| Drove in unsafe manner (2) | $95.00 |
| Fail to Signal (2) | $95.00 |
| Fail to stop assured clear distance (FSACD) (2) | $135.00 |
| Fail to stop for school bus (3) | $180.00 |
|      \*Fail to stop for school bus / ACCIDENT (3) | $205.00 |
| Fail to stop leaving private drive (2) | $95.00 |
| Fail to use due care and caution/Accident (2) | $135.00 |
| Follow too close (2) | $95.00 |
| Illegal entrance / exit X-way (2) | $100.00 |
| Improper crossing/divided highway (2) | $100.00 |
| Improper lane usage (2) | $100.00 |
| Improper passing (3) | $100.00 |
| Passing on shoulder (3) | $100.00 |
| Red light (3) | $100.00 |
| Right turn on red without stopping (3) | $100.00 |
| Stop sign (3) | $100.00 |
| Wrong way on one way (2) | $100.00 |

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| **DISOBEY TRAFFIC CONTROL DEVICES**  |
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| Avoid traffic control device (2) | $100.00 |
| Drove through barricade (2) | $100.00 |
| Drove through private property / avoid signal (2) | $100.00 |
| Drove around railroad gates (3) | $135.00 |
| Ignore left (right) turn only sign (2) | $100.00 |
| Ignore yield sign (2) | $100.00 |

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