Secondary II Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Homework 2-2 Piecewise Class Period:\_\_\_\_\_\_\_\_\_

1-4: Graph the piecewise function.

1.  2.



3. 4.



5. The graph shows the motion of a train car on a train track. Use the graph to answer the questions.

* 1. What is happening at time = 40s?

Distance (m)

Time (s)

120

20

40

60

80

100

120

350

50

100

150

200

250

300

0

30

70

110

25

125

225

325

50

0

175

10

75

90

275

* 1. What is happening from time = 0s until time = 40s? What is the slope of this line? Show your work.
  2. What is happening from time = 40s until time = 90s? What is the slope of this line? Show your work.
  3. What is happening from time = 90s until time = 120s? What is the slope of this line? Show your work.
  4. Write an equation for this graph. Be sure to include the domain.