It is found that the distribution of salaries in a certain industry is approximately Normal with a mean of \$46,000 and a standard deviation of \$2,330. Draw a large picture and label it out to +/- 3 standard deviations to assist you.

- 1. Find the probability that an employee selected at random will have a salary in the indicated range.
- a) less than \$46,000

b) less than \$43,670

c) less than \$41,340

d) greater than \$52,990

e) greater than \$43,670

f) greater than \$41,340

g) between \$43,670 and \$48,330

h) between \$41,340 and \$50,660

- i) between \$41,340 and \$48,330
- 2. Find the probability that an employee selected at random will have a salary in the indicated range.
- a) less than \$40,000

b) less than \$50,000

c) greater than \$45,000

greater than \$51,000	a) hatwaan \$41	,000 and \$45,000	f) between \$43,000 and \$49,000
greater than \$31,000	e) between \$41	,000 and \$45,000	1) between \$45,000 and \$49,000
What salary would fall at the	following percentiles? Round	to nearest dollar. Draw a pi	cture for each part to accompany your work.
-	following percentiles? Round b) 80 th	to nearest dollar. Draw a pi	cture for each part to accompany your work. d) 10 th
What salary would fall at the 50 th		_	
-		_	
-		_	