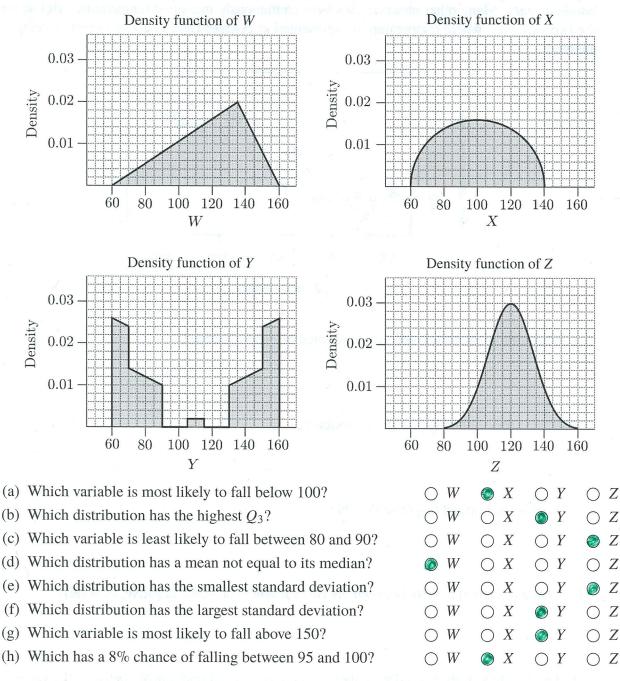
Q1. (10 points) Four random variables (W, X, Y, and Z) are continuously distributed, and their density functions are shown below. Notice that each density function has an area of 100 percentile squares.



(i) Using 50 draws from one of the above distributions, the following dot plot was made:

| | | | 0 | | | @ | | | @06000 | | |
|-----|------------------------------------|----|-----|---|-----|----------|-----|---------------|---------------|-----|--------------|
| | T | | | 8 | | - | | | | | |
| | 60 | 80 | 100 | | 120 | | 14 | | | 160 | |
| | Which distribution was drawn from? | | | | | | | | | | \bigcirc Z |
| (j) | P(W = 120) = ? | | | | | | 0 (| \mathcal{C} | 0.016 | 0.5 | \bigcirc 1 |