Normal Distributions Worksheet

	Name
The following distributions are least 2 two standard deviations	very normal – symmetric, bell-shaped and with room in both tails for at s of scores.
Males' resting heart rate: Females' resting heart rate: SAT component scores: IQ scores:	, , ,
The following distributions are	from Stats Surveys:
Stress: Toxic Relationship Beliefs: Perfectionism:	N(35,14) N(28,6) N(80,32)
Directions: Use the distribution following problems.	ns above and your knowledge of z-scores and p-values to solve the
1. David's stress score is 15. \	What is percentile ranking?
2. Anna is 25 th percentile for	females' resting heart rate. What is her heart rate?
3. Find the middle 90% of the	e IQ distribution.
4. What percentage of North	Georgia students have Stress scores between 20 and 40?

5.	Ben scored in the 85 th percentile for his SAT mathematics. What was his score?
6.	Find the middle 80% of the Toxic Relationship Beliefs scale.
7.	What percentage of males have resting heart rates between 60 and 75?
8.	Carmen had a Perfectionism score of 115. What is her percentile ranking?
9.	What percentage of <u>males</u> have resting heart rates below the 40 th percentile score for <u>females'</u> resting heart rate?