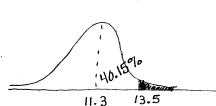
Show all work to receive full credit. Supply explanations when necessary.

1. (2 points) In a certain region, adult female dik-diks have a mean weight of 11.3 lbs with a standard deviation of 1.7 lbs. If 456 such antelopes live in the region, about how many weigh more than 13.5 lbs?

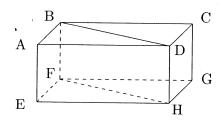


$$Z = \frac{13.5 - 11.3}{1.7} \approx 1.29$$
 $= 9.85\%$
 $Look up 1.29\%$
 9.85%
 $= 9.85\%$
 $= 9.85\%$
 $= 9.85\%$
 $= 9.85\%$
 $= 9.85\%$
 $= 9.85\%$
 $= 9.85\%$
 $= 9.85\%$

9 FT 0.4015

11.3 13.5

2. (3 points) Refer to the following three-dimensional figure. Identify each of the following 45or explain why it does not exist.



(a) A pair of skew lines

(b) Three concurrent lines that are not coplanar AB, BD, BF

NOT POSSIBLE. ANY THREE POINTS ARE COPLANAR.

(d) A pair of parallel lines

(e) Three noncollinear points

(f) A pair of skew lines that share a common point

NOT POSSIBLE TWO LINES THAT SHARE A POINT ARE INTERSECTING, COPLANAR LINES.