

Please complete the following problems for homework. Check Mrs. Kent's website for due dates.
THERE MAY BE PROBLEMS ON THE BACK!

1. Rewrite each set using the list of elements instead of the description.

a. $A = \{\textit{numbers on a standard die}\}$

b. $M = \{\textit{countries of the former USSR}\}$

c. $C = \{\textit{planets (including dwarf planets) of the solar system}\}$

d. $B = \{\textit{suits in a deck of cards}\}$

2. List the elements in each of the following sets.

a. $U = \{x: x \text{ is a factor of } 20\}$

b. $Z = \{x: x \text{ is a prime number less than } 50\}$

c. $Y = \{x: x \text{ is a multiple of } 4 \text{ that is less than } 30\}$

d. $T = \{x: x \text{ is a common factor of } 18 \text{ and } 12\}$