Math 1313
Homework 23
Section 7.1

Use the following probability distribution to answer questions 1 – 4.

x	-15	-10	-5	0	5	10	15
P($X = x$)	0.05	0.34	0.13	0.24	0.08	0.11	0.05

1. Find P(X =0)
   a. 0
   b. 0.24
   c. 0.48
   d. 0.52
   e. 0.08

2. Find P(-10 $\leq$ X $\leq$ 15)
   a. 0.95
   b. 0.40
   c. -0.29
   d. 0.65
   e. 0.39

3. Find P(X $\geq$ 0)
   a. 0.24
   b. 0.65
   c. 0.76
   d. 0.48
   e. 0.36

4. Find P(X < -5)
   a. 0.05
   b. 0.39
   c. 0.60
   d. 0.52
   e. 0.76

5. The choices for problem number 28 from the book are given below.
   a. 0.026
   b. 0.443
   c. 0.557
   d. 0.531
   e. 0.673

6. The choices for problem number 30 from the book are given below.
   a. 0.444
   b. 0.792
   c. 0.313
   d. 0.689
   e. 0.284

7. The choices for problem number 34 from the book are given below.
    a. 0.1400
    b. 0.0932
    c. 0.0417
    d. 0.1167
    e. 0.2368

8. The choices for problem number 44 from the book are given below.
    a. 0.095
    b. 0.905
    c. 0.830
    d. 0.040
    e. 0.748

9. The choices for problem number 50 from the book are given below.
    a. 0.60
    b. 0.20
    c. 0.90
    d. 0.10
    e. 0.70

10. The choices for problem number 60 from the book are given below.
    a. 0.40
    b. 0.70
    c. 0.30
    d. 0.45
    e. 0.25