NAME_____DATE_____PER_____

SHOW ALL THE WORK CLEARLY.

WORK FOR #1-5 BELOW ON BACK OF THIS PAPER

1) Determine the distance, **in simplest radical form**, between (7, 5) and (4, 2).

2) Determine the coordinates of the midpoint of the segment with endpoints (6, 10) and (8, 6).

3) Triangle ABC has vertices A(4, -1), B(5, 6), and C(1, 3). Classify the triangle according to the length of its sides and the measure of the angles.

4) $\overline{PQ}$ has endpoint (-6, 7) and midpoint (-1, -5). Find the coordinates of the other endpoint.

5) Find the value of k so that the point (1, 5) is 17 units from the point (9, k).

Directions from problems 6-20: Copy [Snip] each problem (in order) from your textbook. ***Clearly*** show & label all the work and answer next to each problem. Place Final answers on the answer column provided. You may use the back of this paper for #1-5 above➔**BUT your own paper FOR 6-20 below**.

FOR PROBLEMS 6-17, SEE PAGE AS FOLLOWS:

- FOR 6 → PG. 733 #50
- FOR 7 → PG. 733 #51
- FOR 8 → PG. 734 #57
- FOR 9 → PG. 742 #31
- FOR 10 → PG. 742 #41
- FOR 11 → PG. 743 #45
- FOR 12 → PG. 744 #69
- FOR 13 → PG. 830 #25
- FOR 14 → PG. 834 #85
- FOR 15 → PG. 835 #107
- FOR 16 → PG. 835 #108—ATTACH GRAPH
- FOR 17 → PG. 835 #109
- FOR 18 → PG. 829 #C2
- FOR 19 → PG. 829 #C6
- FOR 20 → PG. 829 #C9

1)	
2	
3)	
4)	
5)	
6)	
7)	
8)	
9)	
10)	
11)a)	
b)	
12)	
13)	
14)	
15) $x =$	

16) Amp=	Per=	PS=

17)	
18)	
19)	
20)	