

5pts
①

$$F = \frac{32-5C}{9}$$

$$9F = 9\left(\frac{32-5C}{9}\right)$$

$$9F = 32-5C$$

$$5C = 32-9F$$

$$C = \frac{32-9F}{5}$$

5pts
②a

1C

35

$$3+2x \geq 5 \text{ and } 4-5x < 1$$

$$2x \geq 2$$

$$x \geq 1$$

$$-5x < -3$$

$$x > \frac{3}{5}$$



$$\{x: x \geq 1\} = [1, \infty)$$

5pts

②b

$$-4 \leq x - \frac{2x+5}{3} \leq 5$$

$$3(-4) \leq 3\left(x - \frac{2x+5}{3}\right) \leq 3(5)$$

$$-12 \leq 3x - (2x+5) \leq 15$$

$$-12 \leq 3x - 2x - 5 \leq 15$$

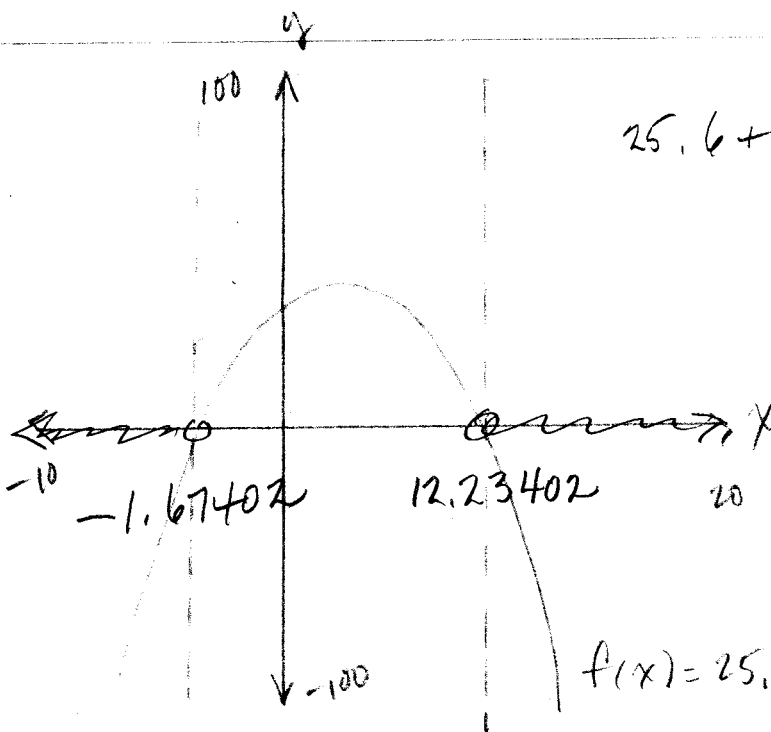
$$-12 \leq x - 5 \leq 15$$

$$-7 \leq x \leq 20$$



$$\{x: -7 \leq x \leq 20\} = [-7, 20]$$

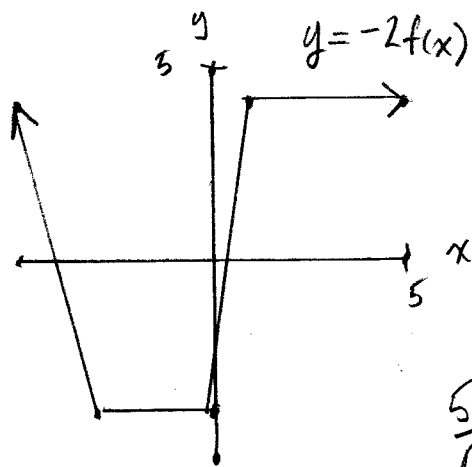
10pts
③



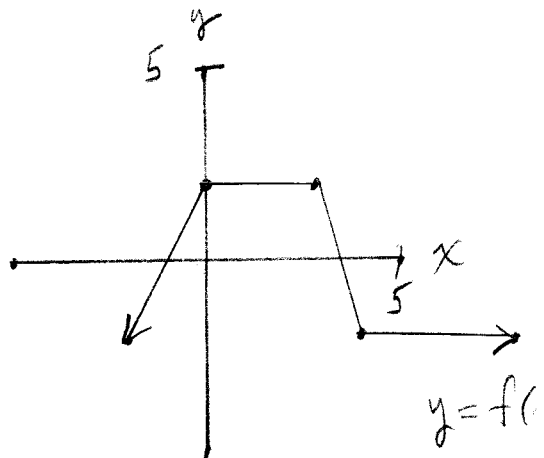
$$25.6 + 13.2x - 1.25x^2 < 0$$

$$f(x) = 25.6 + 13.2x - 1.25x^2$$

5pts
4a



5pts
4a



PART 1

SUBJECTIVE SCORE INSTRUCTOR USE ONLY

100	90	80	70	60
50	40	30	20	10
9	8	7	6	5
4	3	2	1	0

(T) (F) KEY

% 2 3

1	A	B	C	D	E
2	A	B	C	D	E
3	A	B	C	D	E
4	A	B	C	D	E
5	A	B	C	D	E
6	A	B	C	D	E
7	A	B	C	D	E
8	A	B	C	D	E
9	A	B	C	D	E
10	A	B	C	D	E
11	A	B	C	D	E
12	A	B	C	D	E
13	A	B	C	D	E
14	A	B	C	D	E
15	A	B	C	D	E
16	A	B	C	D	E
17	A	B	C	D	E
18	A	B	C	D	E
19	A	B	C	D	E
20	A	B	C	D	E
21	A	B	C	D	E
22	A	B	C	D	E
23	A	B	C	D	E
24	A	B	C	D	E
25	A	B	C	D	E
26	A	B	C	D	E
27	A	B	C	D	E
28	A	B	C	D	E
29	A	B	C	D	E
30	A	B	C	D	E
31	A	B	C	D	E
32	A	B	C	D	E
33	A	B	C	D	E
34	A	B	C	D	E
35	A	B	C	D	E
36	A	B	C	D	E
37	A	B	C	D	E
38	A	B	C	D	E
39	A	B	C	D	E
40	A	B	C	D	E
41	A	B	C	D	E
42	A	B	C	D	E
43	A	B	C	D	E
44	A	B	C	D	E
45	A	B	C	D	E
46	A	B	C	D	E
47	A	B	C	D	E
48	A	B	C	D	E
49	A	B	C	D	E
50	A	B	C	D	E

IMPORTANT

USE NO. 2 PENCIL ONLY

- MAKE DARK MARKS
- ERASE COMPLETELY TO CHANGE
- EXAMPLE: A B C D E

TO USE SUBJECTIVE SCORE FEATURE:
 • Mark total possible subjective points
 • Only one mark per line on key
 • 163 points maximum

100	90	80	70	60
50	40	30	20	10
9	8	7	6	5
4	3	2	1	0

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SUBJECT	
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TEST NO.	10
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TEST RECORD	
PART 1	
PART 2	
TOTAL	