

Answers for the Practice Final Exam Problems

Free Response:

1) D: all real #s except $x = 2$ and $x = -1$

VA: $x = 2, x = -1$

HA: $y = 2$

x-int: $(-1/2, 0)$ $(-2, 0)$ y-int: $(0, -1)$

2) Factor and x-int are $(-2, 0)$ $(0, 0)$ $(2, 0)$

y-int: $(0, 0)$

3) $x = 1/13$

4) $x = 1, x = -1, x = 3 + i, x = 3 - i$

5) Graphs a) LP $(-2, -2)$ Cubic graph

b) LP $(3, 5)$ Absolute value graph

c) LP $(0, -5)$ flip square root graph

d) V $(-1, -9)$ y-int $(0, -8)$

e) LP $4, -5$ VA: $x = 3$ x-int $(246, 0)$

f) Inc exponential LP $(3, 3)$ y-int $(0, 55/27)$

6) $r = 1.88\%$ time: 160.23 minutes

Multiple Choice:

1. B
2. A
3. C
4. B
5. A
6. B
7. C
8. A
9. B
10. D
11. A
12. B
13. A
14. B
15. D
16. D
17. C
18. A
19. B
20. D
21. B