

6C Review

- 286 { pg. #6,8,10,12,16,20,26,30
290 { pg. #8-44 EOE
295 { pg. #4-36 EOE

Section 6-6 pg. 286 #6,8,10,12,16,20,26,30

6. a) Rat. b) Rat. c) Irr.

8. $0.\overline{45}$

10. 3.25

12. $\frac{151}{250}$

16. $\frac{5}{9}$

20. $\frac{14}{11}$

26. a) Rat. $\frac{3+\pi}{2}$ } ∞ answers possible
b) Irr. $3.1010010001\dots$

30. a) Rat. 3.15 } ∞ answers possible
b) Irr. $3.15010010001\dots$

6-7 pg. 290 #8-44 EOE

8. $15i\sqrt{3}$

12. $2i\sqrt{3}$

16. -64

20. -45

24. $\frac{-8i}{3}$

28. $\frac{-i}{2}$

32. $\{\pm 20i\}$

36. $\{\pm 2i\sqrt{2}\}$

40. a) $i\sqrt{6}$

b) 72

44. $-6c^2i$

section 6-8 pg. 295 #4-36 EOE

4. $10-5i$

32. $\frac{1}{5} - \frac{7}{5}i$

8. $18+15i$

36. $\frac{2}{7} - \frac{3\sqrt{5}}{7}i$

12. 17

16. $34-2i$

20. 7

24. $4+6i\sqrt{5}$

28. 10