Express each rational number as a terminating or repeating decimal. (11-2)

15. $\frac{4}{9}$ **16.** $-\frac{29}{24}$ **17.** $3\frac{11}{20}$ **18.** $-7\frac{5}{11}$ **19.** $\frac{41}{55}$

Express each rational number as a fraction in simplest form. (11-2)

20. 0.77 **21.** $0.\overline{6}$ **22.** $-0.31\overline{8}$ **23.** $2.\overline{37}$ **24.** $0.\overline{4135}$

Find the number halfway between the given numbers. (11-2)

25. $\frac{5}{8}$ and 0.63 **26.** 0.66 and $0.\overline{6}$ **27.** $\frac{7}{11}$ and $0.6\overline{28}$

Express both numbers as fractions. Then find their product. (11-2)

28. $\frac{2}{5}$ and 0.85 **29.** $0.\overline{4}$ and $\frac{2}{3}$ **30.** -2.2 and $0.\overline{3}$

Find the indicated square roots. (11-3)

31. $\sqrt{441}$ **32.** $\sqrt{784}$ **33.** $\sqrt{2704}$ **34.** $\sqrt{5184}$ **35.** $\sqrt{10816}$

36. $\sqrt{0.04}$ **37.** $\sqrt{0.64}$ **38.** $\sqrt{1.96}$ **39.** $\sqrt{0.0144}$ **40.** $\sqrt{0.0036}$

41. $\sqrt{\frac{81}{225}}$ **42.** $\sqrt{\frac{1}{289}}$ **43.** $\sqrt{\frac{324}{1936}}$ **44.** $\sqrt{\frac{32}{50}}$ **45.** $\sqrt{\frac{320}{405}}$

Simplify. (11-4)

46. $\sqrt{63}$ **47.** $\sqrt{176}$ **48.** $2\sqrt{52}$ **49.** $4\sqrt{99}$ **50.** $5\sqrt{175}$

51. $10\sqrt{162}$ **52.** $\sqrt{192}$ **53.** $\sqrt{672}$ **54.** $\sqrt{224}$ **55.** $\sqrt{2646}$

Approximate to the nearest tenth by using a calculator or the square root table at the back of the book. (11-4)

56. $\sqrt{720}$ **57.** $-\sqrt{800}$ **58.** $\sqrt{440}$ **59.** $\sqrt{8400}$ **60.** $-\sqrt{5400}$