Math 1300
Homework 1
Section 1.3

The homework problems come from the exercises in Chapter 1 of the online text.
Problem 1.3.4a refers to Chapter 1, Section 3, problem number 4, part a.

1. 1.3.4a
a. 3
b. $2^2 \cdot 3 \cdot 5$
c. 3^2
d. $2^2 \cdot 3^2 \cdot 5$
e. None of the above.

2. 1.3.4b
a. 3^2
b. $2^2 \cdot 3^2 \cdot 5$
c. 3
d. $2^2 \cdot 3 \cdot 5$
e. None of the above.

3. 1.3.12a
a. $3^3 \cdot 5 \cdot 7$
b. $3^5 \cdot 5 \cdot 7$
c. 3
d. 3^3
e. None of the above.

4. 1.3.12b
a. $3^5 \cdot 5 \cdot 7$
b. 3
c. 3^3
d. $3^3 \cdot 5 \cdot 7$
e. None of the above.

5. 1.3.14c
a. $5\dfrac{5}{9}$
b. $5\dfrac{4}{9}$
c. $5\dfrac{1}{9}$
d. 5
e. None of the above.

6. 1.3.20b

   a. $-\dfrac{12}{5}$

   b. $-\dfrac{51}{5}$

   c. -1

   d. $-\dfrac{59}{5}$

   e. None of the above.

7. 1.3.42a

   a. $\dfrac{17}{80}$

   b. $-\dfrac{37}{80}$

   c. $\dfrac{11}{80}$

   d. $-\dfrac{1}{40}$

   e. None of the above.

8. 1.3.32a

   a. $\dfrac{31}{70}$

   b. $\dfrac{1}{5}$

   c. $\dfrac{59}{70}$

   d. $\dfrac{2}{35}$

   e. None of the above.

9. 1.3.54a

   a. $1\dfrac{2}{3}$

   b. $2\dfrac{1}{6}$

   c. $1\dfrac{1}{3}$

   d. $\dfrac{1}{3}$

   e. None of the above.

10. 1.3.52c

a. $\dfrac{19}{10}$

b. $\dfrac{28}{15}$

c. $\dfrac{35}{12}$

d. $\dfrac{4}{3}$

e. None of the above.