Math 1300
Homework 2
Section 1.4

The homework problems come from the exercises in Chapter 1 of the online text.
Problem 1.4.10h refers to Chapter 1, Section 4, problem number10, part h.

1. 1.4.10h
a. -25
b. 25
c. 10
d. -10
e. None of the above.

2. 1.4.10i
a. 25
b. -10
c. -25
d. 10
e. None of the above.

3. 1.4.10k
a. 15
b. -15
c. 125
d. -125
e. None of the above.

4. 1.4.10l
a. -125
b. 15
c. -15
d. 125
e. None of the above.

5. 1.4.14b
a. $\dfrac{1}{3^3}$
b. 3^3
c. $\dfrac{1}{3^{40}}$
d. 3^{40}
e. None of the above.

6. 1.4.16b
a. 7^{45}
b. 7^{14}
c. 7^{5}
d. 7^{4}
e. None of the above.

7. 1.4.34a
a. $\dfrac{12y^{6}z^{8}}{x^{10}}$
b. $\dfrac{12y^{5}z^{6}}{x^{3}}$
c. $\dfrac{36y^{6}z^{8}}{x^{10}}$
d. $\dfrac{36y^{5}z^{6}}{x^{3}}$
e. None of the above.

8. 1.4.40
a. $\dfrac{5}{3d^{5}e^{4}}$
b. $\dfrac{5}{3d^{9}e^{4}}$
c. $\dfrac{-15}{d^{9}e^{4}}$
d. $\dfrac{-15}{d^{5}e^{4}}$
e. None of the above.

9. 1.4.46c
a. $4\sqrt{2}$
b. 8
c. $2\sqrt{2}$
d. $2\sqrt{6}$
e. None of the above.

10. 1.4.48b

a. $\dfrac{16}{49}$

b. $-\dfrac{4}{7}$

c. $\dfrac{4}{7}$

d. $\pm\dfrac{4}{7}$

e. None of the above.