

Class / Homework

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2	16ac
3(c,d)	
4	19bc
5 (a,c)	21
6(a)	
7(a,b,c)	23a,c,d
8(a,d)	
10(b,c)	Pg141
14 (b, d)	13 cd

Chapter 3 Review

Section 3.1: Comparing

2. Order the following rational numbers from least to greatest.

$$3.12, -\frac{4}{3}, 0.9, -\frac{1}{2}, -0.4$$

3. Write 3 rational numbers between each pair of numbers.

c) 0.8, 0.9

d) $-\frac{5}{2}, -\frac{3}{2}$

4. On one day, the prices of 5 stocks changed by the following amounts in dollars:
 $-0.09, -0.51, +0.95, +0.54, -2.00$
Order the amounts from the greatest loss to the greatest gain.

Section 3.2: Adding

5. Determine each sum.

a) $-1.2 + (-0.3)$

c) $-23.6 - 4.57$

6. A technician checked the temperature of a freezer and found that it was -15.7°C .

She noted that the temperature had dropped 7.8°C from the day before.

a) What was the temperature the day before?

7. Determine each sum.

a) $\frac{3}{4} + \frac{7}{8}$

b) $-1\frac{1}{2} + 3\frac{1}{3}$

c) $-4\frac{5}{6} + \left(-1\frac{5}{12}\right)$

Section 3.3: Subtracting

8. Determine each difference.

a) $-3.4 - (-4.8)$

d) $63.2 - 80.02$

10. Determine each difference.

b) $-\frac{5}{8} - \left(-\frac{7}{5}\right)$

c) $3\frac{5}{7} - \left(-6\frac{9}{10}\right)$

Section 3.4: Multiply

14. Determine each product.

b) $(-4.1)(2.3)$

d) $1\frac{3}{5} \times \left(-2\frac{1}{2}\right)$

Section 3.5: Dividing

- 16.** ~~Predict which expressions have a value between -1 and 1 . Calculate each quotient to check.~~

a) $(-2.2) \div 0.4$

c) $\frac{9}{10} \div \left(-\frac{3}{2}\right)$

- 19.** Determine each quotient.

b) $(-20.6) \div (-0.9)$

c) $\left(-\frac{9}{11}\right) \div \left(\frac{7}{5}\right)$

Section 3.6: BEDMAS

21. Evaluate

a) $-\frac{3}{5} + \left[\frac{1}{3} \times \left(-\frac{3}{4} \right) \right]$

b) $\left(-\frac{3}{5} + \frac{1}{3} \right) \times \left(-\frac{3}{4} \right)$

c) $-\left(-\frac{3}{5} + \frac{1}{3} \right) \times \left(-\frac{3}{4} \right)$

23. Evaluate each expression. Show your work to illustrate the order of operations.

a) $-1.2 \div (0.6) - [6.3 + (-3.4)]$

c) $-\frac{4}{5} \div \left[\frac{1}{2} + \left(-\frac{1}{6}\right)\left(-\frac{1}{6}\right) \times \frac{1}{4} \right]$

$$d) \left(-\frac{2}{3}\right)\left(-\frac{2}{3}\right) \div \frac{2}{9} - \left(-\frac{4}{5}\right)$$

Page 144 question 13 cd

13. Use a calculator to evaluate.

Write the answers to the nearest hundredth where necessary.

c)
$$\frac{0.67 - 4.2 \div (-0.2)}{(-7.3 + 8.6)^2}$$

13. Use a calculator to evaluate.

Write the answers to the nearest hundredth where necessary.

d)
$$\frac{8.9 \times (-3.1 + 22.7)^2 + 4.7}{(-9.6) \div 0.04 - 0.4}$$