

Homework for the Weekend  
Pages 256-57, Problems 39-57 (odd)

Find the quotient.

1.  $\frac{7}{8} \div \frac{13}{20} =$

2.  $3\frac{6}{11} \div \left(-\frac{3}{22}\right) =$

3.  $-\frac{30}{17} \div (-20) =$

Solve the equation. (Checking recommended.)

4.  $\frac{2}{3}d = 16$

5.  $-\frac{10}{27}h = \frac{2}{9}$

6.  $-\frac{13}{7} = \frac{2}{7} - \frac{1}{7}x$

7. Tell whether the quotient is positive or negative

$$\frac{-256}{-32}$$

8.  $X=5$  and  $Y=-2$

$$X^2 + Y^3 + 15$$

9. Simplify

$$-7(R^2 + 2) + 3R^2$$

10. Solve

$$16 = P/6$$

11. Factor

$$154$$

12. Find the LCM

$$55, 15$$

13. Write positive exponents

$$10^{-2} \times 10^{-8}$$

14. Write Distance to Star Vega in Scientific Notation (239,000,000,000,000,000)

15. The table gives information about three long-distance telephone companies. For each company, the table gives the monthly fee and the charge per minute for making long-distance calls.

a. At how many minutes are the cost of A and B equal?

b. At how many minutes are the cost of B and C equal?

c. If you spend 150 minutes each month making long distance calls, which company should you use to spend the least amount of money.

<u>Company</u>	<u>Monthly Fee</u>	<u>Per minute charge</u>
A	\$2.00	\$.039
B	No fee	\$.049
C	\$1.95	\$.044