5.5 factor each polynomial completely

81 - $q^{4}$

Section 6

Reducing radical expressions

EX 104)

EX 22) 

 Ex 88) **88. *Traveling time.*** After leaving Moose Jaw, Hanson drove

 200 kilometers at *x* km/hr and then decreased his speed by

 20 km/hr and drove 240 additional kilometers. Make a table

 like the one in Exercise 87.Write a rational expression for

his total traveling time. Evaluate the expression for *x* \_ 100.

Simplify each complex fraction

Ex 50 

 

Extraneous solutions

 Ex # 40 

Product rule for radicals

9.1 # 38 $ \sqrt{36n^{2}}$

simplify

9.2 #102 -$\frac{27-4/3}{8}$

Multiply radicals

9.3 #38

 $\sqrt[2]{5c-}$ $\sqrt[5]{5}$

Simplify radicals

9.4 # 14

$$\sqrt{3/8}$$

Powers of radical expressions

9.4 #62 (2$ \sqrt{y) ^{3}}$

Equations involving radicals

9.5 ex #34

$\sqrt[3]{a+3=}$ $\sqrt[3]{2a-7}$

Solve by using quadratic formula

10.1 ex #84

 $\frac{1}{4}x^{2 }+\frac{17}{4}$ - 2x

Find real or imaginary solutions

10.2 $w^{2}$+9 – 0

***10.3 # 92Time off for lunch.*** It usually takes Eva 3 hours longer to

do the monthly payroll than it takes Cicely. They start

working on it together at 9:00 A.M. and at 5:00 P.M. they

have 90% of it done. If Eva took a 2-hour lunch break

while Cicely had none, then how much longer will it

take for them to finish the payroll working together?