(a)
$$\frac{1}{5}(2y-1) - 2 = \frac{1}{2}(3y-5) + 3$$

(c) $\frac{1}{5}(2y-1) - 10(2) = \frac{1}{50}(\frac{1}{5})(3y-5) + 10(5)$

(d) $\frac{1}{5}(2y-1) - 10(2) = \frac{1}{50}(\frac{1}{5})(3y-5) + 10(5)$

(e) $\frac{1}{5}(2y-1) - 20 = 5(3y-5) + 30$

(f) $\frac{1}{5}(2y-1) - 2 = \frac{1}{5}(3y-5) + 3$

(g) $\frac{1}{5}(2y-1) - 2 = \frac{1}{2}(3(-\frac{21}{11})-5) + 3$

(g) $\frac{1}{5}(2y-1) - 2 = \frac{1}{2}(3(-\frac{21}{11})-5) + 3$

(g) $\frac{1}{5}(-\frac{54}{11}-1,\frac{11}{11}) - 2 = \frac{1}{2}(-\frac{61}{11}-5,\frac{11}{11}) + 3$

(g) $\frac{1}{5}(-\frac{65}{11}-1,\frac{11}{11}) - 2 = \frac{1}{2}(-\frac{61}{11}-5,\frac{11}{11}) + 3$

(g) $\frac{1}{5}(-\frac{65}{11}) - 2 = \frac{1}{2}(-\frac{135}{11}) + 3$

(g) $\frac{1}{5}(-\frac{65}{11}) - 2 = \frac{1}{2}(-\frac{135}{11}) + 3$

(g) $\frac{1}{5}(-\frac{135}{11}) - \frac{135}{11} + \frac{135}{11}$

§ 2.2 An Introduction to Problem Solving

General Strategy for Problem Solving

- UNDERSTAND the problem. During this step, become comfortable with the problem. Some way of doing this are:
 - Read and reread the problem
 - Propose a solution and check.
 - Construct a drawing.
 - Choose a variable to represent the unknown
- 2) TRANSLATE the problem into an equation.
- 3) SOLVE the equation.
- INTERPRET the result. Check the proposed solution in stated problem and state your conclusion.

\$2.2 #5 24,29,42,49,67 HAND IN Due Fri.

Practice: Vacabulary & Readiness 7g 62

+ as many as you need / have time to do.

HINT on # 67

30% of x is .3x = 30

110% -- ... I.1x = 110

\$2.3 #5 20,27,42,54 HAND IN

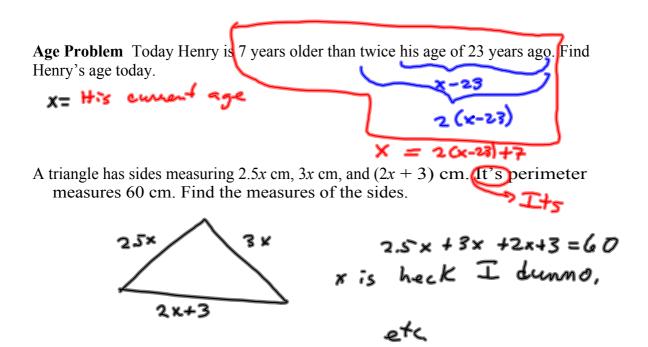
Bonus Assignment - Figure out what the heck the "1st angle" is in \$2.2 #49 and solve; it.

Due Fri.

The product of twice a number and three is the same as the

difference of five times the number and 3/4. Find the number.

Let x = the number $(2x)(3) = 5x - \frac{3}{4}$ five funes the difference of the number and $\frac{3}{4}$ $5(x-\frac{3}{4})$



Other Examples from the book and how to write them up (from the exercises).

The sum of 3 consecutive odd integers is 327. Find the integers.

x = the smallest of the 3 integers

x + (x+2) + (x+4) = 327

△ 49. Find the measures of the angles of a triangle if the measure
of one angle is twice the measure of a second angle and the
third angle measures 3 times the second angle decreased
by 12.

65. China, the United States, and Russia are the countries with the most cellular subscribers in the world. Together, the three countries have 34.8% of the world's cellular subscribers. If the percent of world subscribers in China is 3.1 less than 4 times the percent of world subscribers in Russia, and the percent of world subscribers in the United States is 4.3% more than the percent of world subscribers in Russia, find the percent of world subscribers for each country. (Source: Computer Industry of America)