

: Pg 160-161 : 19-35(10); 40

19	19
21	14
23	3
25	21
27	1
29	4

31	1
33	2
35	1

$$40 \quad 20 + 3n = 5n$$

$$n = 10$$

Be a member if more  
than 10 times

Review

$$\begin{aligned} (35) \quad & \frac{3}{4}(24 - 20t) + 9t = 2(5t + 1) \\ & \frac{3}{4}(24) - \frac{3}{4}(20t) + 9t = 2(5t) + 2(1) \\ & 18 - 15t + 9t = 10t + 2 \\ & 18 - 6t = 10t + 2 \\ & \quad + 6t \quad + 6t \\ & \hline & 18 = 16t + 2 \\ & -2 \quad \quad -2 \\ & \hline & 16 = 16t \\ & \quad 16 \quad \quad 16 \\ & \hline & 1 = t \end{aligned}$$

Oct. 16, 2006

### 3.6. Solving Decimal Equations

$$-38x - 39 = 118$$

$$\begin{array}{r} +39 \quad +39 \\ \hline \end{array}$$

$$-38x = 157$$

exact  
Ans. ←

$$\begin{array}{r} -38 \\ \hline \hline \end{array} x = \frac{-157}{38}$$

Approx.

Ans. ←

$$\underline{\underline{x \approx -4.13}}$$

```
-157/38  
-4.13157894  
↑  
1 < 5  
So...
```

You Must Have & Label Both!

ex 2)  $24x + 43 = 66$

$$\begin{array}{r} -43 \quad -43 \\ \hline \end{array}$$

$$\begin{array}{r} 24x = 23 \\ \hline 24 \quad 24 \end{array}$$

Exact  
Ans.

←  $x = \frac{23}{24}$

Approx  
Ans.

←  $x \approx 0.96$

23/24  
.95833333  
↑  
8 > 5  
So...

$$\text{ex 3)} \quad 3.5x - 37.9 = .2x$$

$$\begin{array}{r} - .2x \\ \hline 3.3x - 37.9 = 0 \end{array}$$

$$3.3x - 37.9 = 0$$

$$\begin{array}{r} + 37.9 \\ \hline 3.3x = 37.9 \end{array}$$

$$\begin{array}{r} 3.3x = 37.9 \\ \hline 3.3 \quad 3.3 \end{array}$$

37.9/3.3  
11.48484848

4 < 5  
so...

Approx  
Ans ←

$$\underline{\underline{x \approx 11.48}}$$

3 people want to share  
a pizza that cost  
\$12.98. How much does  
each pay?

$$\frac{3x}{3} = \frac{12.98}{3}$$

$$x \approx 4.33$$

O.T.L.

① Pg 166: 7-14(a)

21-29(o) : exact Ans.  
+ Approx Ans.

31-35(o); 34

Approx Ans only

# October 2006

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	Alg I Notebooks Due. 23	24	Z-grads Full Credit 25	26	Last Day 27	28
29	30	31				

- Notes are Date  $\Rightarrow$  O.T.L.

- Z-grades

- Must have signed contract.

- Order Notebooks

- N.B. form

- Hall Passes

- Signed letter

- Contract

- Notes

$$\textcircled{19} \quad 3(x+6) = 5(x-4)$$