1.3.87 *20

Find the solution to the following equation by reading the accompanying graph.

$9.8x - 93.10 = 0$

$f(x) = 0$
looking for
x-intercept:

Looks like $x = 10$
is soln &
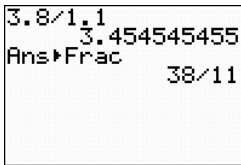$(10, 0)$ is
x-intercept.

1.3.91-GC

Use a graphing calculator to estimate the solution to the following equation. Then find the solution algebraically and compare it with your estimate.
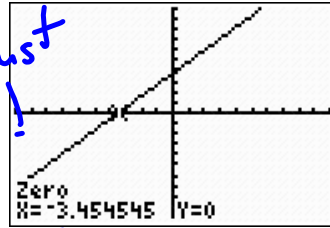
$1.1x + 3.8 = 0$

$1.1x + 3.8 = 0$

$1.1x = -3.8$

$x = \dfrac{-3.8}{1.1}$

```
3.8/1.1
          3.454545455
Ans▸Frac
              38/11
```

Check I just
solved w/
calculator!
See?

```
                      
Zero
X=-3.454545  Y=0
```

$\longrightarrow x = -3.\overline{45}$

(Repeating decimal.
Is Exact!)

1.3.97-GC

Question Help

Use a graphing calculator to estimate the solution to the equation to two decimal places. Then find the solution algebraically and compare it with your estimate.
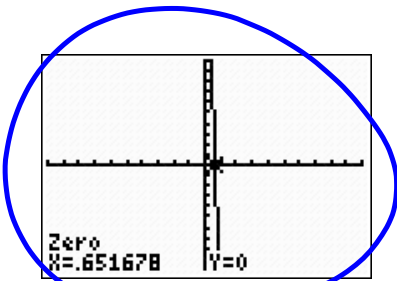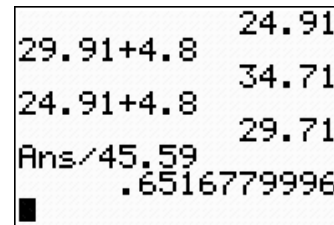
$4.8 - 4.7(9.7x - 5.3) = 0$

$\Rightarrow 4.8 - 4.7(9.7x) + (4.7)(5.3) = 0$

$4.8 - 45.59x + 24.91 = 0$

$-45.59x + 29.71 = 0$

$-45.59x = -29.71$

$x = \dfrac{-29.71}{-45.59} \approx$ .65 ≈ x

```
                  24.91
29.91+4.8
                  34.71
24.91+4.8
                  29.71
Ans/45.59
         .6516779996
■
```

```
                  
              ╎
━━━━━━━━━╋━━━━━
           ●╎
Zero       ╎
X=.651678  Y=0
```

Graphen sol'n

1.3.111

Solve the following equation. Then identify the equation as an identity, an inconsistent equation, or a conditional equation.

$$2(x - 4) = 2x - 8$$