

MATH 017 HOMEWORK 7 Questions

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[Run: 02/23/2015 at 21:4 Seed: 6477. Order of Checkable Items: List.]

The idea in this HOMEWORK is to learn what makes up a *problem*, that is a *data set* together with an *inequation*.

Hw 7-1. Given the data set written in *longhand*,

−2 Dollars, +5 Dollars, −3 Dollars, −6 Dollars, +8 Dollars, −7 Dollars

rewrite it in shorthand.

Hw 7-2. Given the data set

0 Dollars, 1 Dollars, 2 Dollars, 3 Dollars

and the formula in Dollars

$$x < 2$$

What are the solutions in Dollars?

Hw 7-3. Given the data set

−3 Dollars, −2 Dollars, −1 Dollars, 0 Dollars, +1 Dollars, +2 Dollars,
+3 Dollars

and the formula in Dollars

$$x < +2$$

What are the solutions in Dollars?

Hw 7-4. Given the data set

−3 Dollars, −2 Dollars, −1 Dollars, 0 Dollars, +1 Dollars, +2 Dollars,
+3 Dollars

and the formula in Dollars

$$x > +2$$

What are the solutions in Dollars?

Hw 7-5. Given the data set

−3 **Dollars**, −2 **Dollars**, −1 **Dollars**, 0 **Dollars**, +1 **Dollars**, +2 **Dollars**,
+3 **Dollars**

and the formula in **Dollars**

$$x \leq +2$$

What are the solutions in **Dollars**?

Hw 7-6. Given the data set

−3 **Dollars**, −2 **Dollars**, −1 **Dollars**, 0 **Dollars**, +1 **Dollars**, +2 **Dollars**,
+3 **Dollars**

and the formula in **Dollars**

$$x \geq +2$$

What are the solutions in **Dollars**?

Hw 7-7. Given the data set

−3 **Dollars**, −2 **Dollars**, −1 **Dollars**, 0 **Dollars**, +1 **Dollars**, +2 **Dollars**,
+3 **Dollars**

and the formula in **Dollars**

$$x = +2$$

What are the solutions in **Dollars**?

Hw 7-8. Given the data set

−3 **Dollars**, −2 **Dollars**, −1 **Dollars**, 0 **Dollars**, +1 **Dollars**, +2 **Dollars**,
+3 **Dollars**

and the formula

$$x \neq +2$$

What are the solutions?

Hw 7-9. Given the data set

−3 **Dollars**, −2 **Dollars**, −1 **Dollars**, 0 **Dollars**, +1 **Dollars**, +2 **Dollars**,
+3 **Dollars**

and the formula in **Dollars**

$$x \not\leq +2$$

What are the solutions in **Dollars**?

Hw 7-10. Given the following data set:

-3 **Dollars**, -2 **Dollars**, -1 **Dollars**, 0 **Dollars**, +1 **Dollars**, +2 **Dollars**,
+3 **Dollars**

and the formula in **Dollars**

$$x \not> +2$$

What are the solutions in **Dollars**?

Hw 7-11. Given the data set

-3 **Dollars**, -2 **Dollars**, -1 **Dollars**, 0 **Dollars**, +1 **Dollars**, +2 **Dollars**,
+3 **Dollars**

and the formula in **Dollars**

$$x \not\leq +2$$

What are the solutions in **Dollars**?

Hw 7-12. Given the data set

-3 **Dollars**, -2 **Dollars**, -1 **Dollars**, 0 **Dollars**, +1 **Dollars**, +2 **Dollars**,
+3 **Dollars**

and the formula in **Dollars**

$$x \not\leq +2$$

What are the solutions in **Dollars**?