Chapter 1.2 - Homework Absolute Value

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September 7, 2024

1.	Arrange these values in order, from least to greatest: $\left -5\right ,\left 20\right ,\left -15\right ,\left 12\right ,\left -25\right $
	The values from least to greatest is: $\left -5\right ,\left 12\right ,\left -15\right ,\left 20\right ,\left -25\right $

a)
$$|-22| = 22$$

c)
$$|-5-13|=18$$

e)
$$\frac{|-8|}{-4} = -2$$

b)
$$-|-35| = -35$$

d)
$$|4-7|+|-10+2|=11$$

c)
$$|-5-13| = 18$$

e) $\frac{|-8|}{-4} = -2$
d) $|4-7| + |-10+2| = 11$
f) $\frac{|-22|}{|-11|} + \frac{-16}{|-4|} = -2$

3. Express using absolute value notation.

a)
$$|x| > 3$$

b)
$$|x| \le 8$$

b)
$$|x| \le 8$$
 c) $|x| \ge 1$

$$d) |x| \neq 5$$

4. Graph on a number line.

Done on paper

5. Rewrite using absolute value notation.

a)
$$|x| \le 3$$

b)
$$|r| > 2$$

c)
$$|x| \ge 2$$

b)
$$|x| > 2$$
 c) $|x| \ge 2$ d) $|x| < 4$

7. Graph the following functions.

Done on paper

8. Compare the graph in questions 7. How could you use transformations to describe the graph of f(x) = |x+3| - 4

Done on paper