

4. Use the following values of the variables to evaluate the expression:

$$x = -3 \quad y = 4 \quad z = -12^*$$

(25 Points)

Evaluate:  $x + y + z$

-11

$$x + y + z$$

11

$$-3 + 4 + -12$$

19

$$1 + -12$$

-19

$$\boxed{-11}$$

5. Use the following values of the variables to evaluate the expression:

$$x = -3 \quad y = 4 \quad z = -12^*$$

(25 Points)

Evaluate:  $x + x + y + y$

-14

$$-3 + -3 + 4 + 4$$

14

$$-6 + 8$$

-2

$$2$$

2

6. Use the following values of the variables to evaluate the expression:

$$x = -3 \quad y = 4 \quad z = -12^*$$

(25 Points)

Evaluate:  $|x| + |y| + |z|$

11

$$|-3| + |4| + |-12|$$

-11

$$3 + 4 + 12$$

19

$$\boxed{19}$$

-19

7. Use the following values of the variables to evaluate the expression:

$$x = -3 \quad y = 4 \quad z = -12$$

(25 Points)

Evaluate:  $|x + y| + |y + z|$

23

9

-23

-9

$$|-3+4| + |4+(-12)|$$

$$|1| + |-8|$$

$$1 + 8$$
$$9$$