

Aldine 9: Algebra Homework #23

www.aldine9math.weebly.com

Assigned

A: 11/11 Tues

B: 11/12 Wed

Due

A: 11/13 Thurs

B: 11/14 Fri

Name: _____

Period: _____

1) What is the rate of change?

| <i>Hours</i> | <i>Cost</i> |
|--------------|-------------|
| 1 | \$17.00 |
| 2 | \$19.00 |
| 3 | \$21.00 |
| 4 | \$23.00 |

- A** \$2 per hour
B \$4 per hour
C 2 hours cost \$1
D 4 hours cost \$1

2) What is the rate of change?

| <i>Tickets</i> | <i>Total</i> |
|----------------|--------------|
| 2 | \$24.00 |
| 4 | \$38.00 |
| 5 | \$45.00 |
| 7 | \$59.00 |

- F** \$14 per ticket
G 8 tickets for \$1
H \$7 per ticket
J 7 tickets for \$1

3) What is the rate of change?

| <i>Hours</i> | <i>Pay</i> |
|--------------|------------|
| 1 | \$8.00 |
| 2 | \$11.00 |
| 4 | \$17.00 |
| 5 | \$20.00 |

- A** \$5 per hour
B \$3 per hour
C 8 hours per \$1 earned
D None of the above

4) What is the rate of change?

| <i>Days</i> | <i>Height (ft)</i> |
|-------------|--------------------|
| 2 | 11 |
| 4 | 21 |
| 5 | 26 |
| 7 | 36 |

- F** 6 days per foot
G 6 ft per day
H 5 days per foot
J 5 ft per day

5) Write True or False for each.

- a. $6(-3x - 4) = -18x - 4$ _____
- b. Domain is x-values & Range is y-values. _____
- c. The solution to the equation $5x + 1 = 5x + 1$ is all real numbers. _____
- d. $x < 6$ is translated to x is greater than 6 _____
- e. $x - 4x + 2x = -x$ _____

6) For the function: $f(x) = 6x - 2$

- a. $f(4) =$ _____
- b. If $f(x) = 28$, then $x =$ _____