

Algebra TUESDAY 11-6-12

CLASS NOTES

⑤

COSTS \$1.99 SMALL
\$3.49 large

(small, 1.99)
(large, 3.49)

↑ ↑
x - y
d. r
iv dv
in out

H
O
M
E
W
O
R
K

⑥ 2 VAC. day for each
MONTH worked.

$\frac{N}{M} \frac{dv}{VAC DAY}$

⑦

HVAC $\Rightarrow 75 \frac{\text{dollars}}{\text{hr}} = \frac{\text{rise}}{\text{run}} = \frac{y \uparrow}{x \leftrightarrow} = \frac{dp}{iv}$

C = COST \$

h = hours

$C = f(h) = (75 \frac{\text{dollars}}{\text{hr}} \cdot (h)) \text{ hr}$

$C = f(h) = 75h$

(h, C)

R.
E
V
I
E
W



- ⑧ ICE RINK } 3.50 dollars to rent SKATES
 1.25 dollars $\leftarrow dp \Rightarrow D = \text{dollars}$ & \$/hr $\leftarrow iv \Rightarrow h = \text{hours}$

$$I(h) = 1.25 \frac{\text{dollars}}{\text{hrs}} (h)_{\text{hrs}} + 3.50$$

$$I(h) = 1.25h + 3.50$$

- ⑨ $f(x) = 7x + 2$ $f(0), f(1) = ?$

$$f(0) = 7(0) + 2$$

$$f(0) = 2$$

$$f(x) = 7x + 2$$

$$f(1) = 7(1) + 2$$

$$f(1) = 9$$

⑩

$$g(x) = 4x - 9$$

$$g(\overset{x}{\downarrow} 3), g(\overset{x}{\downarrow} 5)$$

$$g(3) = 4(3) - 9$$

$$g(3) = 12 - 9$$

$$\boxed{g(3) = 3}$$

$$g(x) = 4x - 9$$

$$g(5) = 4(5) - 9$$

$$\boxed{g(5) = 11}$$

$$\textcircled{11} \quad h(t) = \frac{1}{3}t - 10 \quad h(27), h(-15)$$

$$h(27) = \frac{1}{3}(27) - 10$$

$$\boxed{h(27) = -1}$$

$$h(t) = \frac{1}{3}t - 10$$

$$h(-15) = \frac{1}{3}(-15) - 10$$

$$h(-15) = -5 - 10$$

$$\boxed{h(-15) = -15}$$

Worksheet Problems

$$\textcircled{1} \quad w(x) = x + 1 \quad w(-8) = ?$$

$$w(-) = (-) + 1$$

$$w(-8) = (-8) + 1$$

$$\boxed{w(-8) = -7}$$

By Jacob Cherry

$$\textcircled{11} \quad p(N) = N^2 - 5 \quad p(-10) = ?$$

$$p(-10) = (-10)^2 - 5$$

$$p(-10) = +100 - 5$$

$$\boxed{p(-10) = 95}$$

By: Lucy J. Chavez :)

$$\textcircled{23} \quad h(t) = t - \frac{3}{4} \quad h\left(\frac{1}{2}\right) = ?$$

$$h\left(\frac{1}{2}\right) = \left(\frac{1}{2}\right) - \frac{3}{4}$$

$$h\left(\frac{1}{2}\right) = \frac{2}{4} - \frac{3}{4}$$

$$\boxed{h\left(\frac{1}{2}\right) = -\frac{1}{4}}$$

By: Kayla O'Pry

$$(25) \quad K(x) = x + 5 \quad K(z+3) = ?$$

$$K(z+3) = (z+3) + 5$$

$$K(z+3) = z + 3 + 5$$

$$K(z+3) = z + 8$$

by: Tori :)