

Lauren, Olivia, Gavin

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15) $y = 10 + 5x$

21. A. -1.8

B. $y = 212 + -1.8x$

C. $y = 212 + -1.8(19,340ft)$

$y = 177.28 F^{\circ}$

23. A. 17 lbs

B. $y = .85x$

C. $y = .85(4500 \text{ miles})$

Group 3

Taylor
Steven
Brendon

15. $y = 10 + 5x$

21. A. -1.8

B. $y = 212 - 1.8x$

C. 177.188°F

23. A. $+17$

D. $y = 17x$

C. $76,500$ 165

$y = 0 + 17 \cdot 4500$

26. A. $y = 150 + 10x$

B. $\$250,000$

$y = 150 + 100$

Landen Thieman, Hannah Wili

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15 0, 10

$$1, 15 \quad y = 5x + 10$$

2, 20

3, 25

4, 30

25 0, 180

Input			
0	212.0	-	1, 160
1	210.2	1.8 (a)	2, 170
2	208.4	1.8	3, 180
3	206.6	1.8	4, 190
4	204.8	1.8	5, 200
5	203.0	1.8	

$$(B) \quad y = 212.0 - 1.8x$$

$$(C) \quad 176^\circ F$$

23 (a)

20	17	17
40	34	17
60	51	17
80	68	17
100	85	17

$$y = 1.55x \quad x \text{ represents } 20\text{-mile increments}$$

15. $y = 10 + 5x$

21. a) -1.8 , yes linear

b) $y = 212 - 1.8x$

c) $x = 19340 \text{ ft} = 19.34 \times 1000 \text{ ft}$

$y = 212 - 1.8(19.34)$

$= 212 - 34.812$

$= 177.188$

$= 177.2 \text{ } ^\circ\text{F}$

23. a) 17 , yes it's linear

b) $y = \frac{17}{20}x$

c) $y = \frac{17}{20}(4500)$

$= 3825 \text{ pounds of choc}$

25. a) $y = 150 + 10x$

b) $y = 150 + 10(10)$

$= 250000$

Rana, Lindy, Jackson

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15. $y = 10 + 5x$

21. A. $y = 212 - 1.8x$

B. $y = 212 - 1.8x$ change is the same

C. $19.34 = 212 - 1.8x$
 $\frac{-212}{-192.66} = \frac{-212}{-1.8x}$
 $\frac{-192.66}{-1.8} = \frac{1.8x}{1.8}$
 $107.03 = x$

23. A. $y = .85x$ increase by same amount each time

B. ↓

C. $y = .85x$ 4500 3825 pounds of chocolate
 $3,825 = y$

25. A. $y = 150 + 10x$

B. $y = 150 + 10 \cdot 10$
 $250,000 = 150 + 10 \cdot 10$

Erika, Markese, Jerry

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⑮ (0, 10)

(1, 15)

(2, 20)

(3, 25)

(4, 30)

$$y = 10 + 5x$$

⑳ a.) difference is 100.8

b.) $y = 212 - 1.8x$

c.) $y = 212 - 1.8(19,340)$

$$y = 177.88^\circ\text{F}$$

㉓ 17 lbs = 1 gallon 4,500 mi

a.) difference is 17

b.) $y = x + 17/20$

c.) $y = 4,500 \cdot 17/20$

$$y = 3,825$$

$$+20 \text{ mi} = +1^\circ$$

㉕ \$150,000 + salary increases

a.) $y = 150,000 + 10,000x$

b.) $y = 150,000 + 10,000(10)$

$$y =$$