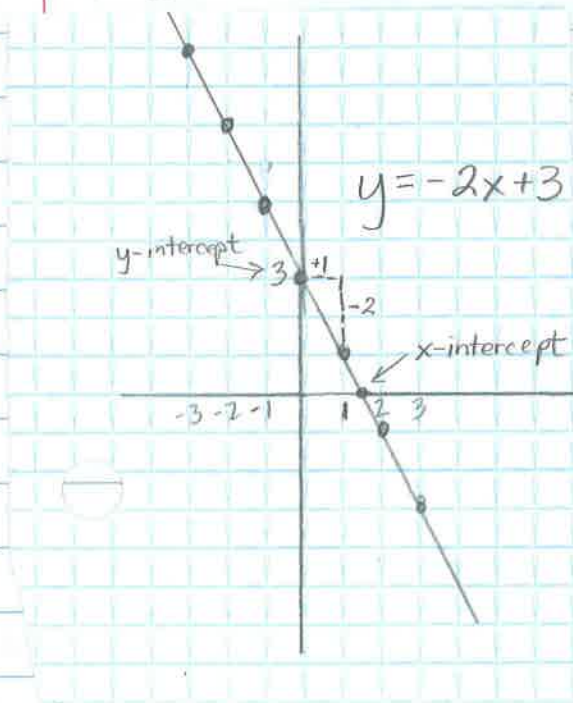


4.1.7

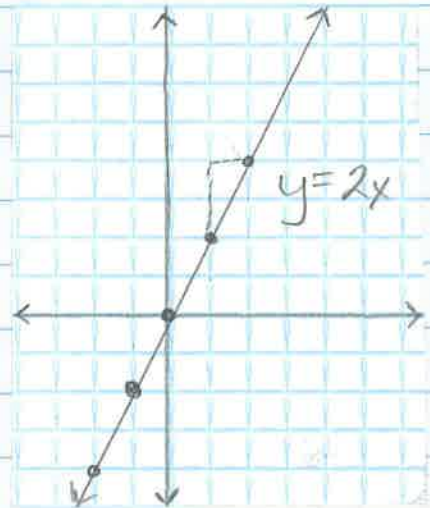
HWK

4-67

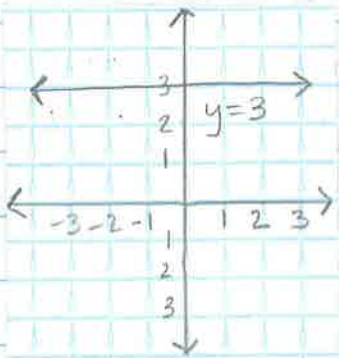
a) $y = 3 - 2x$
 $y = -2x + 3$



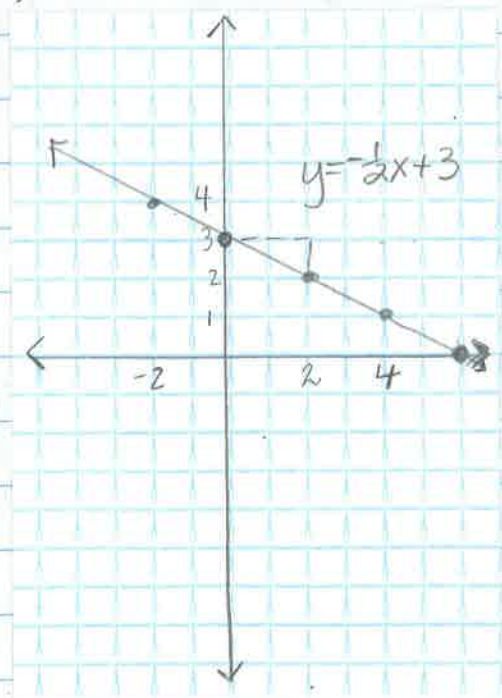
b) $y = 2x$



c) $y = 3$



d) $y = -\frac{1}{2}x + 3$



4-68)

x	y
0	5
1	7
2	9
3	11
4	13
30	65
200	405
250	505
x	2x+5

$$y = 2x + 5$$

x	y
0	4
1	2
2	0
3	-2
4	-4
30	-56
150	-296
300	-596
x	-2x+4

$$y = -2x + 4$$

x	y
-2	7
-1	4
0	1
1	-2
2	-5
3	-8
100	-299
-23	70
x	-3x+1

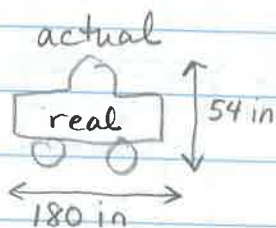
$$y = -3x + 1$$

4-69) $y = 6x + 4$
 $40 = 6x + 4$
 $-4 \quad -4$

$$\begin{array}{r} 36 = 6x \\ \underline{6} \quad \underline{6} \\ 6 = x \end{array}$$

Figure 6 has 40 tiles.

4-70)



model



$$\frac{54}{180} = \frac{3}{x}$$

$$\frac{54x}{54} = \frac{540}{54}$$

$$x = 10$$

model length
should be

10 in. long.

Josie is correct!

4-71) Radius = 3cm

$$\begin{aligned} a) \quad A &= \pi r^2 \\ &= \pi 3^2 \\ &= \pi 9 \\ &= 28.27 \text{ cm}^2 \end{aligned}$$

$$\begin{aligned} C &= \pi d \\ &= \pi 6 \\ &= 18.85 \text{ cm} \end{aligned}$$

b.) Diameter = 10 ft.

$$\begin{aligned} A &= \pi r^2 \\ &= \pi 5^2 \\ &= \pi 25 \\ &= 78.54 \text{ ft}^2 \end{aligned}$$

$$\begin{aligned} P &= \pi d \\ &= \pi \cdot 10 \\ &= 31.42 \text{ ft.} \end{aligned}$$



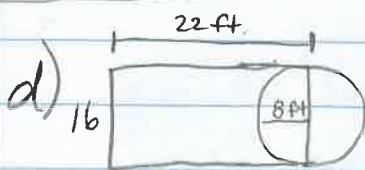
$$\begin{aligned} A &= \pi \cdot r^2 \\ &= \pi 12^2 \\ &= \pi 144 \end{aligned}$$

$$= 452 \text{ ft}^2 \div 3 = \underline{150.80 \text{ ft}^2} \text{ for } \frac{1}{3} \text{ of circle}$$

$$\text{Per} = \pi d$$

$$= \pi 24$$

$$= 75.40 \div 3 = 25.13 \text{ ft} + 12 + 12 = \underline{49.13 \text{ ft}}$$



$$\begin{aligned} A &= bh \\ &= 22 \cdot 16 \\ &= \underline{352 \text{ ft}^2} \end{aligned}$$

$$\begin{aligned} A &= \pi r^2 \\ &= \pi 8^2 \\ &= \pi 64 \end{aligned}$$

$$= \underline{201.06 \text{ ft}^2} \div 2 = \underline{100.53 \text{ ft}^2}$$

* Total Area = 352
100.53
452.53 ft²

* Total Perimeter = 22 + 16 + 22 + 25.13
85.13 ft

$$\begin{aligned} C &= \pi d \\ &= \pi 16 \\ &= 50.27 \text{ ft} \div 2 = \underline{25.13 \text{ ft}} \end{aligned}$$