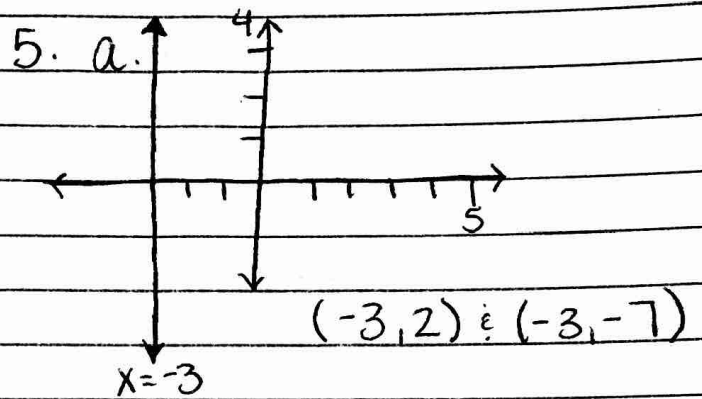


HW8 - A2

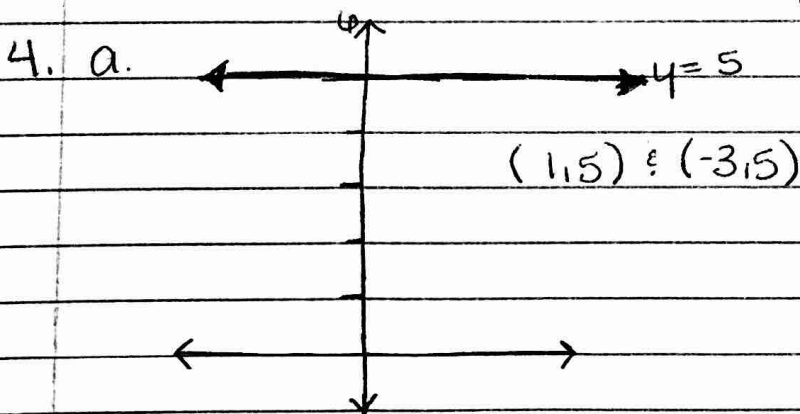
1. a. slope: $\frac{2}{3}$
pt: $(4, 1)$
 $y - 1 = \frac{2}{3}(x - 4)$

b. slope: $-\frac{1}{5}$
pt: $(1, 2)$
 $y - 2 = -\frac{1}{5}(x - 1)$

2. a. $y + 7 = \frac{2}{3}(x - 5)$
b. $y - 6 = -4(x - 1)$
c. $y - 8 = 3(x + 2)$
d. $y - 11 = -\frac{3}{5}(x + 4)$



- b. no slope
c. $x = 3$
d. ① always no slope
② always $x = \text{---}$
③ always x -value of pts.



- b. c best fits the guide lines
a \rightarrow not within the pts.
b \rightarrow too low of a slope
d \rightarrow too low y -int.

b. 0

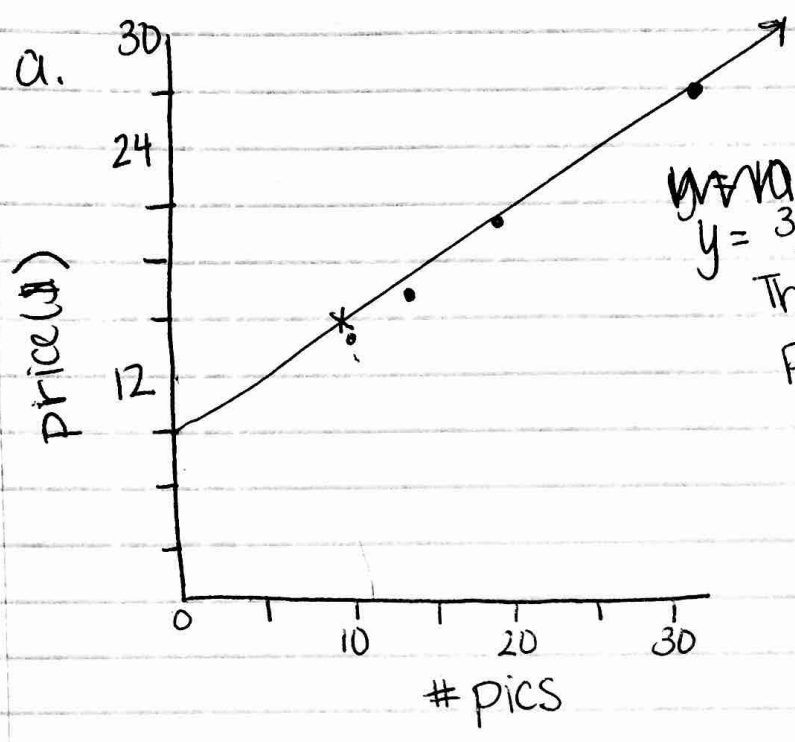
c. $y = -4$

d. ① always 0 slope

② always the y -value of 2 pts

③ the y -int. is always the same # in the equation.

8. a.



- b. \$9, the base cost for the service
- c. $x = 50$ $y = \$39$
- d. 2 prints