

$$\frac{3}{\sqrt{2}} + \frac{3}{\sqrt{2}} + \frac{3}{\sqrt{2}} + \frac{12}{\sqrt{2}} + \frac{18}{\sqrt{2}} + \frac{192}{\sqrt{2}} + \frac{168}{\sqrt{2}} + \frac{12}{\sqrt{2}} + \frac$$

5. add 200 arithmetic

784, 984

6. subtract 20 arithmetic

-59, -79

- 7. multiply by 1/4 geometric 640, 160, 40, 10
 2.5, .625
- 8. 120, 120, 0 neither

105 % not shown on the solutions

$$3x + 4y = 12$$

X-Intercept y-Intercept

Sketch



$$(x,0)$$
 $3x + 4y = 12$

$$3x = 12$$

(a)
$$\chi^2 + 3\chi - 3 = 0$$

000a] 000 Cant be factored so 000 Use Quadratic Formula

$$a = 1$$

$$b = 3$$

$$0 = -3$$

$$\sqrt{=\frac{-b \pm \sqrt{b^3 - 4ac}}{2a}}$$

$$X = \frac{-(3) \pm \sqrt{3}^{2} - 4(1)(3)}{2(1)}$$

$$X = \frac{-3 \pm \sqrt{21}}{2}$$

$$X = \frac{-3 + \sqrt{21}}{2} \approx 0.79$$

$$X = \frac{-3 - \sqrt{3}}{2} \approx -3.79$$

$$3x^{2} - 7x = 12$$

$$3x^{2} - 7x - 12 = 0$$

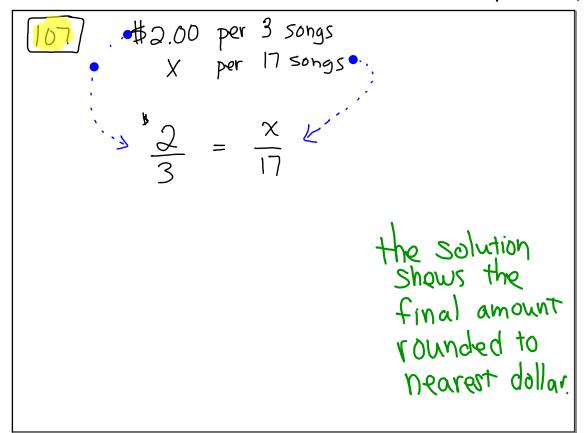
$$7 = \frac{-(-7) \pm \sqrt{(-7)^{2} - 4(-3)(-12)}}{2(-3)}$$

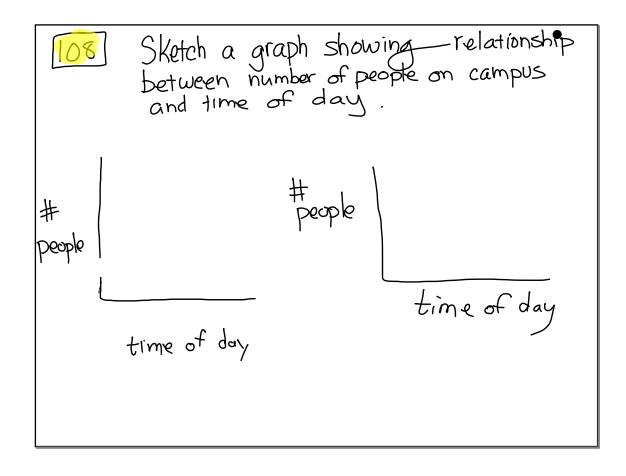
$$7 = \frac{-(-7) \pm \sqrt{(-7)^{2} - 4(-3)(-12)}}{2(-3)}$$

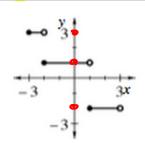
$$7 = \frac{-115}{6}$$

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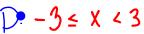






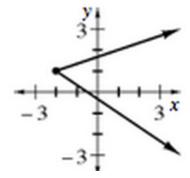
b.





Range $-\infty < y < \infty$

c.



 $D \cdot -2 \le x < \infty$ Range $-\infty < y < \infty$





a)
$$(1,2,3,4)5,6$$
b) $P(4) = \frac{1}{6}$
c) $P(\text{number}) = \frac{4}{6}$

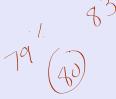
b)
$$P(4) = \frac{1}{6}$$

$$C) P(\text{number}) = \frac{4}{6}$$

Check your HW

Ch. 1 Test Information

handout



Open your

Function Investigation Questions to help us make Summary Statements

take a minute to freview them

Today, you will investigate a new function, using the Investigation a vestions.

Work together, each person writing in their own algebra log.

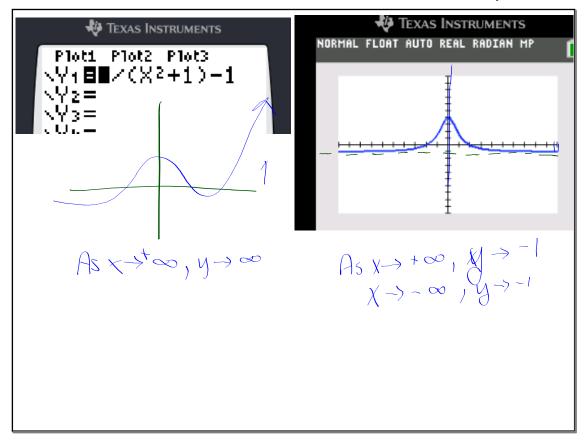
When finished, pick up a blue prece of paper to write your agreed upon answers.

Try to learn from each other. Eventually you'll be doing something similar on your own,

I don't expect you to be flawless on all aspects yet.

Investigate (by making Summary Statements)

$$f(x) = \frac{(\chi_{s} + j)}{2} - 1$$





How to seal a bag of chips without a clip

Assignment 1.2.4
(a handout)