Pseudo-quadratic

Solve the following equation.

$$(x+3)^2 = x^2 + 6$$

$$(x+3)^{2} = (x+3)(x+3)$$

$$(x+3)^{2} = x^{2} + 2xb + b^{2}$$

$$= x^{2} + 6x + 9$$

 $(3+p)_{3} = 3_{3} + 3 = 3_{p} + 3 = p_{p} + 3 = p_{p} + p_{p$

$$(x+3)^{2} = x^{2} + 6$$

 $(x^{2})^{4} + 6x + 9 = x^{2})^{4} + 6$
 $(4x+9)^{4} = 6$

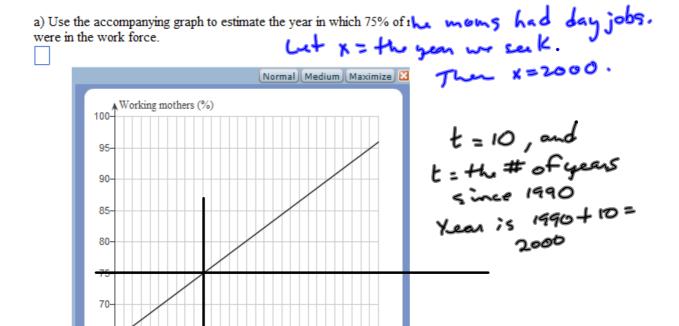
Solve the following equation.

$$\frac{x+3}{x+6} = \frac{x+2}{x+3}$$

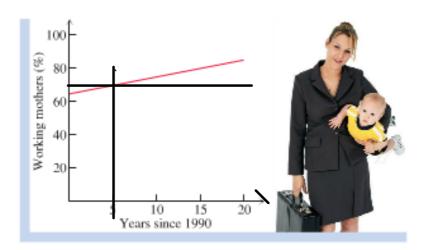
$$\frac{(x+3)}{x+6} = \frac{x+2}{x+3}$$

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$$\frac{(x+3)}{x+6} = \frac{(x+3)}{x+6} = \frac{(x$$



Years since 1990



A surfboard shaper has to limit the cost of development and production to \$276 per surfboard. He has already spent \$58,760 on equipment for the boards. The development and production costs are \$146 per board. The cost per board is $\frac{146x + 58,760}{x}$ dollars. Determine the number of boards that must be sold to limit the final cost per board to \$276.

How many boards must be sold to limit the cost per board to \$276?

Not sure about this one. I *think* that most of the numbers here are just showing you what went into the cost-per-board function. Our focus is just on the cost per board. With the tools we have, our best bet might be just to build a table. We basically want that function to be less than \$276.

$$2(x) = \frac{146x + 58,760}{x}$$

$$= \frac{276}{x}$$

Section 1.2 in Earnest

Solve

$$Cx + Gy = K, \text{ for } x.$$

$$-Gy = -Gy$$

$$Cx = K - Gy$$

$$Cx = K - Gy$$

$$Cx = K - Gy$$

Solve for m.

$$G = \frac{1}{7} p(m-q)$$

$$FG = P(m-q)$$

$$FG = P(m-q)$$

$$FG = Pm - Pq$$

$$Pm - Pq = FG$$

$$Pm = FG + Pq$$

$$Pm = FG + Pq$$

$$M = FG + Pq$$

Section 1.2 is up for Monday. Please begin work on 1.2 before class on Monday: Read
Try a few problems
Come to class armed with questions.

What is the simple interest rate if \$134.49 in interest is earned on a deposit of \$1925.01 in one year?

Cameron and his friend John bought a used circus carousel for \$69,733, including sales tax. If the sales tax rate is 7%, then what was the cost of the carousel before the tax?

You invested \$15,000 in two accounts paying 3% and 7% annual interest, respectively. If the total interest earned for the year was \$570, how much was invested at each rate?