

1.1: Linear Eqs & Ineqs.

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ex1: $3(x-4) = 4 - 2(x+2)$

ex2: $\frac{2x}{x-3} = 4 + \frac{6}{x-3}$

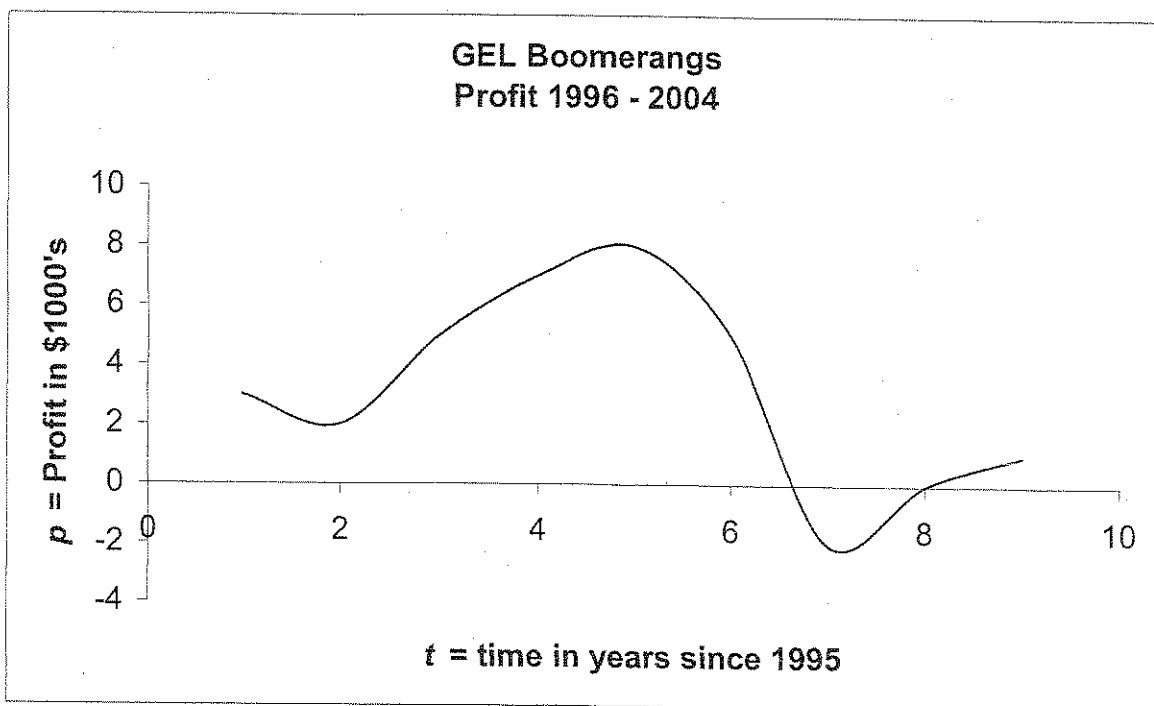
ex3: $\frac{3x}{4} - \frac{1}{3} = 1 - \frac{2}{3}(x - \frac{1}{6})$

ex4: solve $\frac{y-b}{x-a} = m$ for y .

ex5: $7x+4 \leq 2(x-1)$

ex6: $\frac{3x}{4} - \frac{1}{6} < x - \frac{2(x-1)}{3}$

FUNCTIONS & GRAPHS 1



Instructions: Answer each question using a complete sentence.

1.) What does $t=3$ represent? _____

2.) What does $p=5$ represent? _____

3.) For what values of t do we have information? _____

4.) For what values of p do we have information? _____

For those values of t that have corresponding p values, we say that profit is a function of time. We write this using the notation $p(t)$.

5.) Find and interpret $p(2)$ _____

6.) Find and interpret $p(7)$ _____

7.) What is meant by the algebraic equation $p(t)=8$? _____

8.) Solve and interpret $p(t)=5$ _____

9.) Could there be more than one value of p for any given value of t ? Explain your answer. _____

10.) Explain the similarities and difference on the graph between $t=2$ and $t=7$. _____