1) $\{x | -2 \le x \le 5\}$

2) $x = 4$

3) $m = -3 \quad (0, -6)$

4) $\dfrac{2x + 7}{x - 2}$

5) the baby weighed 7.4 lb at birth

6) between 6 and 7 months

7) 0

8) None of these. $y = \dfrac{1}{2}x + 3$

9) $y = -\dfrac{1}{2}x + 8$

10) -27

11) 8

12) $\begin{array}{l} x - 3y = 5 \\ 2x = 6y + 10 \end{array}$

13) $x = \dfrac{1}{2}$

14) $\begin{array}{l} x + y = 42 \\ 2x + 3y = 95 \end{array}$

15) $0.75