1. 
$$f(x) = \frac{1}{2} + anx - cosx - 2 sinx - \frac{7}{2}$$

2. 
$$f(x) = \frac{x^5 + 2x - \frac{1}{3x^3} - \frac{3}{5}}{5}$$

3. Answer

The child is rotating her head 4 Radians every second at that moment.



- (b) Velocity at t=5 sec. > V(5)= -32 ft |sec.) Makes sense.

  Going Down at t=5 sec
- (c) Hits the ground timpact = 8 sec

5. The ball closs NOT reach Dan 155 feet up in the tree because its Max Height was only 144 feet.



Show all parts of Word Problem
Label All Parts