There were two versions of the exam.

Version A: In problem 1, Paolo runs at 3 meters per second.
1. 256.0182 m
2. 22.63158 feet
3. (a) 29.064178 cm (b) 3.74501, 16.25498, 21.74501
4. (a) 
\[
h(x) = \begin{cases} 
7 - \frac{1}{2}x & \text{if } x \leq -1, \\
5 - \frac{3}{2}x & \text{if } -1 \leq x < 2, \\
8 - 4x & \text{if } x \geq 2.
\end{cases}
\]

(b) Yes. A quick sketch of the graph of this function and a mention of the horizontal line test (or equivalent statements) would suffice as an explanation.

Version B: In problem 1, Paolo runs at 4 meters per second.
1. 55.7333 m
2. 12.5676 feet
3. (a) 28.92919 cm (b) 6.506137, 11.49386, 20.506137
4. (a) 
\[
h(x) = \begin{cases} 
3x - 4 & \text{if } x \leq -2, \\
x - 8 & \text{if } -2 \leq x \leq -1, \\
3x + 8 & \text{if } x > -1.
\end{cases}
\]

(b) Yes. A quick sketch of the graph of this function and a mention of the horizontal line test (or equivalent statements) would suffice as an explanation.