Trajectory: Algebra

1. Early finishers: In the following two problems, solve for the value of x.

    (a) $2x + 3 = x + 9$ (b) $\frac{1}{2}(11 - x) = 5$

2. Given the linear function $f(x) = 3x + 4$.

    (a) Find $f(0)$ (b) $f(x) = 10$. Find x.

3. Given $x^2 + 6x + 5 = 0$. Factor and find the roots.