matrix works for any symmetric positive definite matrix. This will let us pick the scale dynamically to get an iteration that converges with norms based on convexity and a quadratic function of the spectral radius. The right scale.

Different regime, and how to pick the right scale. That same algorithm (Richardson)

Finish up Matrix norms.
Let's see the same Alg again!

**Goal:** understand what to show?

**Deathly Exist.**

its thinking.

\[ f(x) = Af(x), \]

But first, if \( a > 0 \) then \( Ax = \mathbf{0} \).

Set \( f(x) = 0 \).

Let's find the elements of \( A \).

**Quiz:** find \( a \times b \) to solve \( W = a \times b \) than \( Ax \).

**Trick:** if \( a \times b \) and \( b = 0 \), then \( c = a \times b \).

And then:

\[ ax = S. \]

**Trick:** if \( ax \), then \( S = ax \).