

Lesson 7-8 → Drop, Throw, Bump Nudge?

The "a" governs the shape of
the parabola

falling stone: $-16x^2 + 100$

↑
100 ft. up!

Thrown stone: $-16x^2 + 20x + 100$

↑
now thrown up
at 20 ft/sec!

→ "a" is -16 BOTH times, so Same ↻

→ "b" goes from 0 to 20
but that's just like bumping and
nudging the **vertex** as we did
last lesson!