

- 7 (a) **Graphical:** Graph $Y_1 = 2X^2 - 6$ and locate the x -intercepts. The solutions to the equation are $x \approx \pm 1.7$.
- (b) **Numerical:** Table $Y_1 = 2X^2 - 6$ starting at $x = -2$, incrementing by 0.1. $Y_1 \approx 0$ when $x \approx \pm 1.7$.
- (c) **Symbolic:** $2x^2 = 6 \Rightarrow x^2 = 3 \Rightarrow x = \pm \sqrt{3} \approx \pm 1.7$.