Recommended problems from book: 1-8, 11.

Give the first five terms of the Maclaurin series for each function, using the techniques of section 11.11. You might also need to use a little algebra in some problems.

1. \[ \frac{1}{\sqrt{1+x}} \]

2. \[ \sqrt{x+9} \]

3. \[ \frac{x}{(x-1)^2} \]