

| | | | |
|---------|---|------------------------|-------------------------|
| x | 0 | $\frac{3}{4}$ | $\frac{5}{2}$ |
| $f'(x)$ | + | 0 | - |
| $f(x)$ | 3 | $\ln(4) + \frac{1}{4}$ | $\ln(11) - \frac{3}{2}$ |