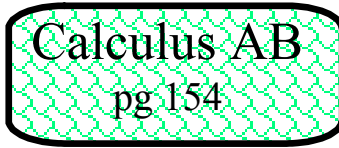


$$24) \text{ a: } \frac{1}{6} \frac{\text{ft}}{\text{min}}$$

$$\text{b: } \frac{3}{4} \frac{\text{ft}^3}{\text{min}}$$



$$28) \text{ a: } -\frac{52}{5} \frac{\text{ft}}{\text{sec}}$$

$$\text{b: } -\frac{20}{13} \frac{\text{ft}}{\text{sec}}$$

$$25) \text{ a: } -\frac{7}{12} \frac{\text{ft}}{\text{sec}}, -\frac{3}{2} \frac{\text{ft}}{\text{sec}}, -\frac{48}{7} \frac{\text{ft}}{\text{sec}}$$

$$\text{b: } \frac{527}{24} \frac{\text{ft}^2}{\text{sec}}$$

$$\text{c: } \frac{1}{12} \frac{\text{rad}}{\text{sec}}$$

$$29) \text{ a: } -750 \text{ mi/hr}$$
$$\text{b: } 30 \text{ min}$$

$$30) 160\sqrt{3} \approx 277.13 \text{ mi/hr}$$

$$31) -\frac{50}{\sqrt{85}} \frac{\text{ft}}{\text{sec}}$$

$$26) \approx -0.26 \text{ m/sec}$$

$$32) \frac{175}{\sqrt{130}} \frac{\text{ft}}{\text{sec}}$$

$$27) \text{ horizontal: } -\frac{1}{5\sqrt{3}} \frac{\text{m}}{\text{sec}}$$

$$\text{vertical: } \frac{1}{5} \frac{\text{m}}{\text{sec}}$$

$$33) \text{ a: } \frac{25}{3} \frac{\text{ft}}{\text{sec}}$$

$$\text{b: } \frac{10}{3} \frac{\text{ft}}{\text{sec}}$$

$$34) \text{ a: } -\frac{50}{7} \frac{\text{ft}}{\text{sec}}$$

$$\text{b: } -\frac{15}{7} \frac{\text{ft}}{\text{sec}}$$