

### 3.10 Exercises

1. If  $V$  is the volume of a cube with edge length  $x$  and the cube (a) At what rate is his distance from second base decreasing

being filled with water at the rate of  $0.2 \text{ m}^3/\text{min}$ , how fast is

decreasing at a rate of  $10 \text{ kPa}/\text{min}$ . At what rate is the volume