2. Pressure is defined as force per unit area or $\qquad$ $P = F/A$

We multiply both sides of the equation by the area to solve for the force as

$$F = P A$$

$$F = (300 \text{ Pa}) (0.5 \text{ m}^2)$$

$$F = 150 \text{ (Pa) m}^2 = 150 \text{ (N / m}^2\text{) m}^2$$

$$F = 150 \text{ N}$$