

11

$$V = \frac{1}{3} B h$$

*(Note: A blue box is drawn around the 'B' in the formula, and a blue arrow points from the 'B' to the expression  $\pi r^2$  below it.)*

$$36 = \left(\frac{1}{3}\right) B (9)$$

$$\frac{36}{3} = \frac{3B}{3}$$

$$B = 12$$

Find the area of the base of each cone.

11. volume: 36 cubic inches; height: 9 inches

$$\textcircled{12} \quad V = \frac{1}{3} B h$$

$$3 \cdot 238 = \frac{1}{3} B (74) \cdot 3$$

$$714 = \frac{74 B}{74}$$

$$B = 9.64$$

Find the area of the base of each cone.

11. volume: 36 cubic inches; height: 9 inches

12. volume: 238 cubic centimeters; height: 74 centimeters