

SQUARE ROOTS

$$\sqrt{x^2} = \sqrt{4}$$

$$x = \pm 2$$

$$\sqrt{4} = 2$$

$$\frac{3(x-4)^2}{3} = \frac{48}{3}$$

$$\sqrt{(x-4)^2} = \sqrt{16}$$

$$x-4 = \pm 4$$

$$x = 4 \pm 4$$

$$\boxed{x = 8 \text{ or } 0}$$

$$x^2 + 8 = 20$$

$$\sqrt{x^2} = \sqrt{12}$$

4.3

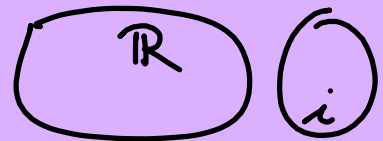
$$x = \pm 2\sqrt{3}$$

$$x = 4 \pm \sqrt{3}$$

$$\sqrt{-9} = \sqrt{-1 \cdot 9}$$

$$= 3i$$

$$\sqrt{-1} = i$$



$$\sqrt{-24} = 2i\sqrt{6}$$

4.6.1