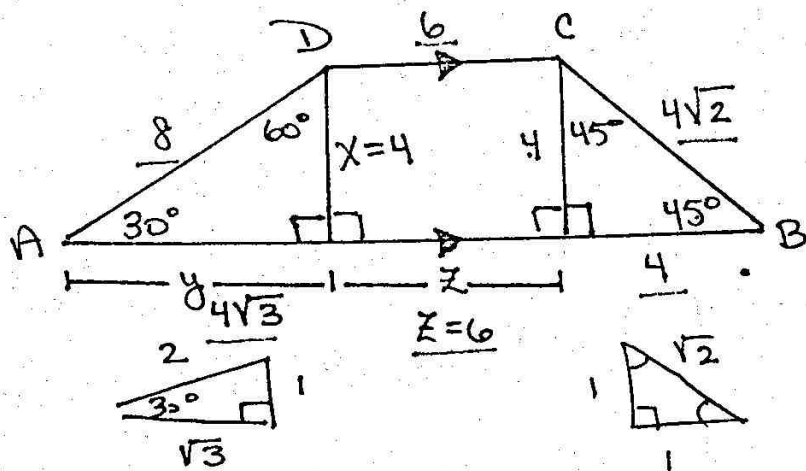


Section 8-3

Selected Answers.

22.) Find  $x$ ,  $y$ ,  $z$  and perimeter of trapezoid ABCD.



$$\frac{x}{1} = \frac{y}{\sqrt{3}} = \frac{8}{2}$$

$$P_{ABCD} = 4\sqrt{3} + 6 + 4 + 4\sqrt{2} + 6 + 8$$

$$\frac{x}{1} = \frac{8}{2}$$

$$\frac{y}{\sqrt{3}} = \frac{8}{2} \quad P_{ABCD} = 24 + 4\sqrt{3} + 4\sqrt{2}$$

$$2x = 8$$

$$2y = 8\sqrt{3}$$

$$\approx 36.6 \text{ units.}$$

$$x = 4$$

$$y = 4\sqrt{3}$$

32.)  $\frac{347}{\sqrt{2}} = \frac{347\sqrt{2}}{2} \text{ ft} \approx 245.4 \text{ feet}$

34.)  $BH = 16$

36.)  $w_4 = 12\sqrt{3} \text{ cm} \approx 20.78 \text{ cm}$

38.)  $52 + 4\sqrt{3} + 4\sqrt{6} \text{ units}$