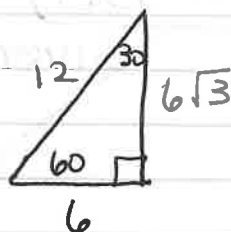
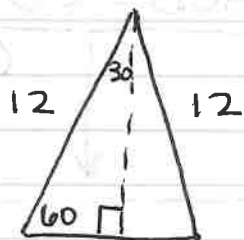


homework 7-83 to 7-89
Skip 7-84, 7-85 bde

7-83



$$A = \frac{1}{2}(12)(6\sqrt{3})$$

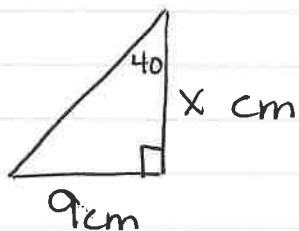
$$A = 36\sqrt{3}$$

7-84

skip

7-85

a only



$$\tan 40 = \frac{9}{x}$$

$$x \approx 10.73$$

tangent

7-86

a) SAS \cong

b) HL \cong

$$6x + 6 = 8x + 2$$

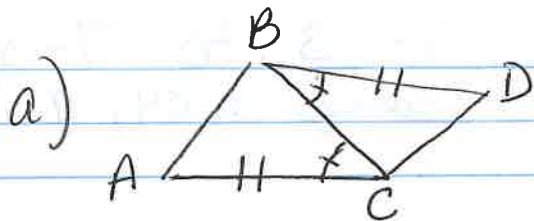
$$4 = 2x$$

$$2 = x$$

$$\begin{array}{r} 3x \\ - 9 \\ \hline 32 \end{array}$$

$$x = 32$$

flow charts on back



$$\overline{AC} = \overline{DB}$$

Given

$$\angle ACB = \angle DBC$$

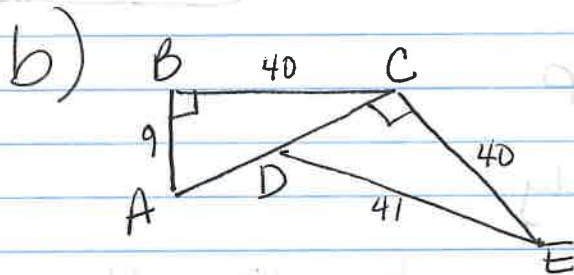
Given

$$BC = CB$$

reflexive

$$\triangle ACB \cong \triangle DCB$$

SAS \cong



$\triangle ABC$ and $\triangle DCE$ are right \triangle s

Given

$$AC = DE$$

Pyth. Thm

$$BC = CE$$

Given

$$\triangle ABC \cong \triangle DCE$$

HL \cong

7-87

Area of a rhombus



$$\frac{d_1 d_2}{2}$$

$$\frac{6 \cdot 8}{2} = \frac{48}{2} = 24 \text{ in}^2$$

7-88

a) $\frac{4}{20} = \frac{1}{5}$

b) $\frac{4}{5} \left\{ 1 - \left(\frac{1}{5}\right) = \frac{4}{5} \right\}$

c) No area of the square is still 4 ft^2 out of 20 ft^2

7-89

20, 17, 14, 11, 8, ...
+3 -3 -3 -3

$$y = -3x + b$$

$$y = -3x + 20$$

$$y = -3(50) + 20$$

50th term
is
-130

21. 10. 11. 10. 10. 10.

10. 10. 10.

10. 10.

10. 10.

10. 10. 10.

10. 10.

10. 10.

10. 10. 10.

10. 10. 10.

10. 10.

10. 10.

10. 10.

10. 10.

10. 10.

10. 10.