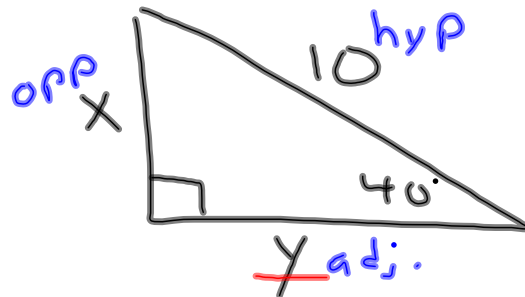


Cecil H.

5-4	6-2	7-1
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5

5-4
Work

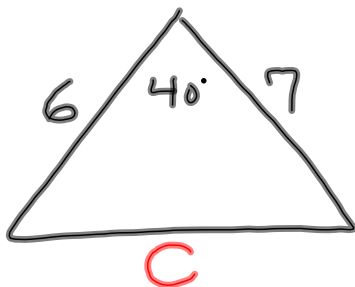
Ch. 8



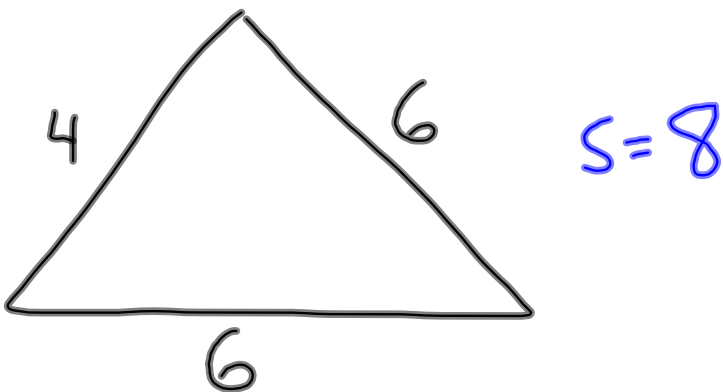
$$\frac{\sin 40}{1} = \frac{x}{10}$$

$$\frac{\cos 40}{1} = \frac{y}{10}$$

Area



$$\begin{aligned} A &= \frac{1}{2} \cdot a \cdot b \cdot \sin C \\ &= \frac{1}{2} \cdot 6 \cdot 7 \cdot \sin 40^\circ \\ &\approx 13.5 \text{ cm}^2 \end{aligned}$$

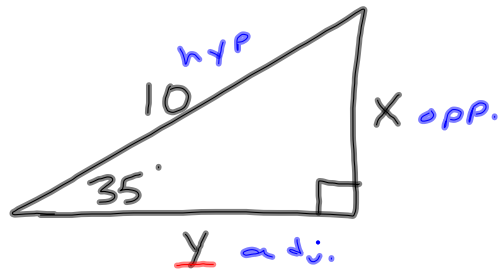


$$A = \sqrt{s(s-a)(s-b)(s-c)}$$
$$\sqrt{8 \cdot (8-6)(8-4)(8-6)}$$
$$\approx 11.3 \text{ cm}^2$$

Cecil H.

5-4	6-2	7-1
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5

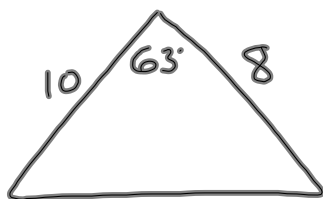
5-4
Work



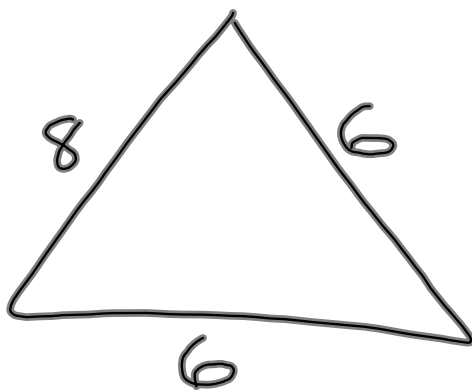
$$\frac{\sin 35}{1} = \frac{x}{10}$$

$$\frac{\cos 35}{1} = \frac{y}{10}$$

Area



$$\begin{aligned} A &= \frac{1}{2} ab \sin C \\ &= \frac{1}{2} \cdot 10 \cdot 8 \cdot \sin 63^\circ \\ &\approx 35.6 \text{ cm}^2 \end{aligned}$$



$$P = 20$$

$$\therefore S = 10$$

$$A = \sqrt{10 \cdot (10 - 6)(10 - 6)(10 - 8)}$$

$$\sqrt{10 \cdot 4 \cdot 4 \cdot 2}$$
$$\approx 17.9 \text{ cm}^2$$