

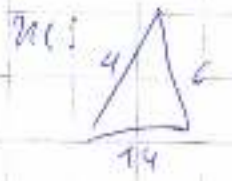
~~$x + x = 180^\circ$~~ ~~$30^\circ + x + x$~~
 ~~$3x = 180^\circ$~~
 ~~$x = 60^\circ$~~

~~$a^2 = x^2 + x^2$~~
 ~~$c = \sqrt{x^2 + x^2} = \sqrt{2x^2}$~~
 ~~$a^2 + b^2 = c^2 = x^2 + (\sqrt{2x})^2$~~
 ~~$a = \sqrt{x^2 + 2x} = \sqrt{3x}$~~
 ~~$b^2 = (\sqrt{3x})^2 + (\sqrt{2x})^2 = 3x + 2$~~
 ~~$b = \sqrt{3x + 2x} = \sqrt{5x}$~~

$\frac{2}{\sin 45^\circ} = \frac{x}{\sin 45^\circ}$
 $2 \cdot \frac{\sqrt{2}}{2} = x \cdot \frac{\sqrt{2}}{2}$
 $x = 2 = 4$
 $\frac{3}{\sin 45^\circ} = \frac{x}{\sin 45^\circ}$

$3 \cdot \frac{\sqrt{2}}{2} = x \cdot \frac{\sqrt{2}}{2}$
 $x = 3 = 6$

$\frac{7}{\sin 45^\circ} = \frac{x}{\sin 45^\circ}$
 $7 \cdot \frac{\sqrt{2}}{2} = x \cdot \frac{\sqrt{2}}{2}$
 $x = 7 = 14$



$x + x = 180^\circ$
 $2x = 180^\circ$
 $x = 90^\circ$

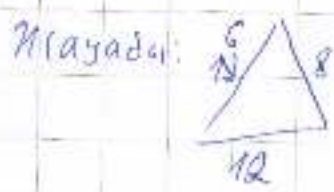
~~$\frac{3}{\sin 45^\circ} = \frac{x}{\sin 45^\circ}$~~
 ~~$3 \cdot \frac{\sqrt{2}}{2} = x \cdot \frac{\sqrt{2}}{2}$~~
 ~~$x = 3 = 6$~~

$\frac{3}{\sin 45^\circ} = \frac{x}{\sin 45^\circ}$
 $3 \cdot \frac{\sqrt{2}}{2} = x \cdot \frac{\sqrt{2}}{2}$
 $x = 3 = 6$



$\frac{4}{\sin 45^\circ} = \frac{x}{\sin 45^\circ}$
 $4 \cdot \frac{\sqrt{2}}{2} = x \cdot \frac{\sqrt{2}}{2}$
 $x = 4$

$\frac{6}{\sin 45^\circ} = \frac{x}{\sin 45^\circ}$
 $6 \cdot \frac{\sqrt{2}}{2} = x \cdot \frac{\sqrt{2}}{2}$
 $x = 6$



$$1) a) x = 1 + \frac{1}{3}$$

$$y - \frac{1}{1+y} = 2$$

$$y - \frac{1}{1+y} = 2$$

$$y - 1 = 2$$

$$y = 3$$

$$x = 1 + \frac{1}{3}$$

$$x = 1\frac{1}{3}$$

$$b) x = 0 + \frac{1}{2}$$

$$y - \frac{1}{y+5} = 1$$

$$y - \frac{1}{y+5} = 1$$

$$y - 1 = 1$$

$$y = 2$$

$$x = 0 + \frac{1}{2}$$

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



$$c^2 = \frac{1}{2} a^2 + b^2 - \cos$$

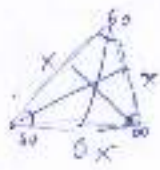
$$\frac{1}{2} \cdot x \cdot x$$

$$B = 180^\circ - 60^\circ$$

$$x = 12 - 2$$

$$x = 10$$

2/2/2 2/2/2



$$h_1 = 2$$

$$h_2 = 3$$

$$h_3 = 7$$

$$c^2 = a^2 + b^2$$

$$c^2 = x^2 + x^2$$

$$c = \sqrt{2}x$$

$$a^2 + b^2 = c^2$$

$$x^2 + x^2 = (\sqrt{2}x)^2$$

$$2x^2 = 2x^2$$

$$x^2 = x^2$$

1/1 2/2/2

$$-y \left\{ \begin{aligned} -4x + \frac{1}{3}z &= -y \\ 4x + \frac{1}{3}z &= -y \end{aligned} \right.$$

$$-y + 2y$$

$$\left\{ \begin{aligned} -4x + \frac{1}{3}z &= -y \\ 4x + \frac{1}{3}z &= -y \end{aligned} \right.$$

$$\frac{1}{3}z - \frac{1}{3}z = -y + 2y$$

$$\frac{1}{3}z = y$$

$$-y \left\{ \begin{aligned} -4x + \frac{1}{3}z &= -y \\ 4x + \frac{1}{3}z &= -y \end{aligned} \right.$$

2/2/2



$$90^\circ + x + x = 180^\circ$$

$$2x = 90^\circ$$

$$x = 45^\circ$$



$$\frac{(x-y)(x+y)}{y^2 - x^2}$$



2/2/2

$$c^2 = 10^2 + 8^2$$

85/12

$$c = \frac{10}{\sin 70^\circ} = \frac{8}{\sin 45^\circ} = \frac{8}{\sin 45^\circ} = 8 \cdot \frac{\sqrt{2}}{2} = 4\sqrt{2}$$

$$\frac{(x-y)(x+y)}{-(x^2 - y^2)}$$

$$d = \sqrt{2}$$

87/12



$$c^2 = x^2 + x^2 - 2 \cdot x \cdot x \cdot \cos 70^\circ$$



$$2x = 180^\circ - 110^\circ = 70^\circ$$

$$3\sqrt{2} + 3\sqrt{2}$$

$$\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$$