$5x+5=-x+17$

$5x+x=+17-5$

$6x=12$

$x=\frac{12}{6}=2$

$5(2)+5=-(2)+17$

$10+5=-2+17$

$15=15$

$14x-20-2x=-2(5-2x)-4(1-x)+2$

$14x-20-2x=-10+4x-4+4x+2$

$14x-2x-4x-4x=20-10+4+2$

$4x=8$

$x=\frac{8}{4}=2$

$14(2)-20-2(2)=-2[5-2(2)]-4[1-(2)]+2$

$28-20-4=-2[5-4]-4[-1]+2$

$4=-2[1]+4+2$

$4=-2+4+2$

$4=4$

$$8-\frac{2x+7}{3}=\frac{2(3x+1)}{2}-\frac{5x-7}{2}-7$$

$$8-\frac{2x+7}{3}=\frac{6x+2}{2}-\frac{5x-7}{2}-7$$

$$6\left[8-\frac{2x+7}{3}\right]=6\left[\frac{6x+2}{2}-\frac{5x-7}{2}-7\right]$$

$$48-4x-14=18x+6-15x+21-42$$

$$-4x-18x+15x=-48+14+6+21-42$$

$$-7x=-49$$

$$7x=49$$

$$x=\frac{\cancel{49}^{7}}{\cancel{7}_{1}}=7$$

$$8-\frac{2(7)+7}{3}=\frac{2[3(7)+1]}{2}-\frac{5(7)-7}{2}-7$$

$$8-\frac{14+7}{3}=\frac{2[21+1]}{2}-\frac{35-7}{2}-7$$

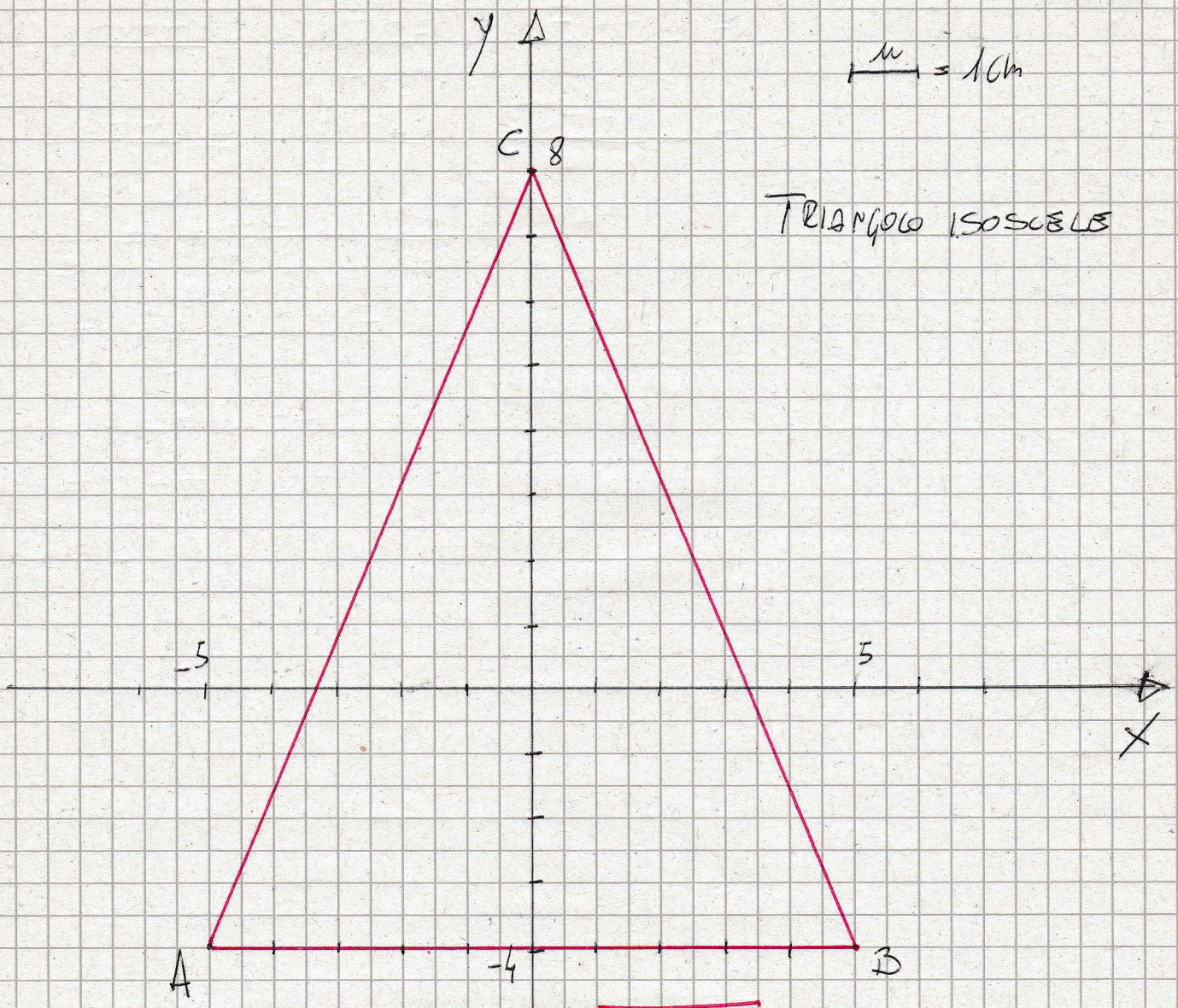
$$8-\frac{\cancel{21}^{7}}{\cancel{3}_{1}}=\frac{2[22]}{2}-\frac{\cancel{28}^{14}}{\cancel{2}_{1}}-7$$

$$1=\frac{\cancel{44}^{22}}{\cancel{2}_{1}}-14-7$$

$$1=22-14-7$$

$$1=8-7$$

$$1=1$$



$$A = \frac{B \times h}{2} = \frac{10\,cm \times 12\,cm}{2} = \boxed{60\,cm^2}$$

$$\overline{AC} = \sqrt{(x_A - x_C)^2 + (y_A - y_C)^2} = \sqrt{(-5-0)^2 + (-4-8)^2} =$$

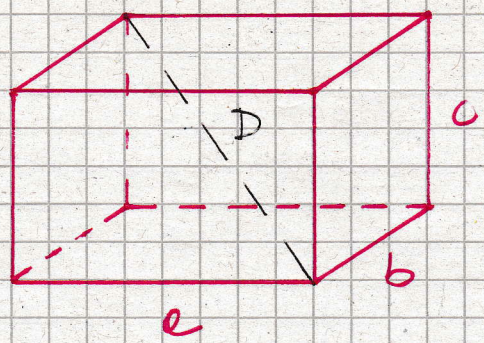
$$\sqrt{(-5)^2 + (-12)^2} = \sqrt{25+144} = \sqrt{169} = 13\,cm \quad (= \overline{BC})$$

$$P = \overline{AB} + \overline{BC} + \overline{AC} = 10 + 13 + 13 = \boxed{36\,cm}$$

$a = 14,4\ cm$

$b = 10,8\ cm$

$c = 24\ cm$



$Al = P \times h$ $\qquad P = (a+b) \times 2 = (14,4+10,8) \times 2 = \boxed{50,4\ cm}$

$Al = P \times h = 50,4 \times 24 = 1209,6\ cm^2$

$Ab = a \times b = 14,4 \times 10,8 = 155,52\ cm^2$

$At = Al + 2Ab \quad 1209,6 + 155,52 + 155,52 = \boxed{1520,64\ cm^2}$

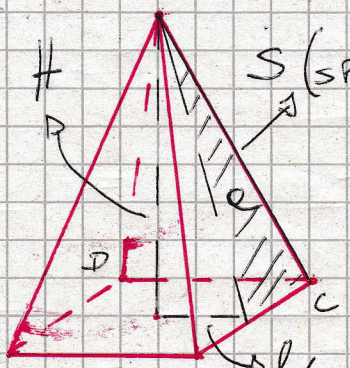
$D = \sqrt{a^2+b^2+c^2} = \sqrt{14,4^2+10,8^2+24^2} = \sqrt{207,36+116,64+576} =$

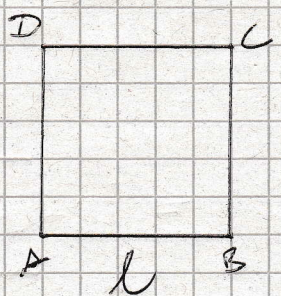
$\sqrt{900} = \boxed{30\ cm}$

$l = D = 30\ cm$

$H = \frac{2}{3}D = 20\ cm$

$\frac{l}{2} = 15$





$a = \sqrt{H^2+(l/2)^2} = \sqrt{20^2+15^2} = \sqrt{400+225} =$

$\sqrt{625} = 25\ cm$

$Al_{pir} = \frac{P \times a}{2} = \frac{120 \times 25}{2} = \boxed{1500\ cm^2}$ $\qquad P_{pir} = 30 \times 4 = 120\ cm$

$At_{pir} = Al_{pir} + Ab_{pir} = 1500 + 900 = \boxed{2400\ cm^2}$ $\qquad Ab_{pir} = 30 \times 30 = 900\ cm^2$

$S = \sqrt{a^2+(l/2)^2} = \sqrt{25^2+15^2} = \sqrt{625+225} = \sqrt{850} = \boxed{29,15\ cm}$

(B) $16x+12=2x-2$

$16x-2x=-2-12$

$14x=-14$

$x=-\frac{14}{14}=-1$

$16(-1)+12=2(-1)-2$

$-16+12=-2-2$

$-4=-4$

$12x-5(x-3)=5x-4(3x-11)-1$

$12x-5x+15=5x-12x+44-1$

$12x-5x-5x+12x=-15+44-1$

$14x=28$

$x=\frac{28}{14}=2$

$12(2)-5(2-3)=5(2)-4[3(2)-11]-1$

$24-5(-1)=10-4[6-11]-1$

$24+5=10-4[-5]-1$

$29=10+20-1$

$29=29$

$$\frac{3x+2}{4}+\frac{3}{7}x-\frac{3+x}{2}=\frac{2(4+5x)}{7}+\frac{3}{28}$$

$$\frac{3x+2}{4}+\frac{3}{7}x-\frac{3+x}{2}=\frac{8+10x}{7}+\frac{3}{28}$$

$$28\left[\frac{3x+2}{4}+\frac{3}{7}x-\frac{3+x}{2}\right]=28\left[\frac{8+10x}{7}+\frac{3}{28}\right]$$

$$21x+14+12x-42-14x=32+40x+3$$

$$21x+12x-14x-40x=32+3-14+42$$

$$-21x=63$$

$$x=-\frac{63}{21}=-3$$

$$\frac{3(-3)+2}{4}+\frac{3}{7}(-3)-\frac{3+(-3)}{2}=\frac{2[4+5(-3)]}{7}+\frac{3}{28}$$

$$=\frac{-9+2}{4}+\frac{3}{7}(-3)-\frac{3-3}{2}=\frac{2[4-15]}{7}+\frac{3}{28}$$

$$-\frac{7}{4}+\frac{9}{7}-0=\frac{2[-11]}{7}+\frac{3}{28}$$

$$\frac{-49-36}{28}=-\frac{22}{7}+\frac{3}{28}$$

$$-\frac{85}{28}=\frac{-88+3}{28}$$

$$-\frac{85}{28}=-\frac{85}{28}$$