26, 27,

26. $x+y=4(y+2)$

$x-y=2(y+4)$

$x+y=4y+8$ (−4y −4y)

$x-y=2y+8$ (−2y −2y)

$x-3y=8$

$-x+3y=-8$

$0=0$

$-x+3y=-8$ (+x +x)

$\frac{3y}{3}=\frac{x}{3}-\frac{8}{3}$

$\boxed{y=\frac{1}{3}x-\frac{8}{3}}$

27. $2x-3y=2$ (+x +x) $-x$

$3x-2y=-2$ (−y −y) $+y$

$3x-3y=2$

$+\ -3x+3y=+2$

$0=4$

$\boxed{\varnothing}$

HW Assessment

24. $2x + y = 2 - x$
$x + 2y = 2 + y$

KAPLAN Geometry

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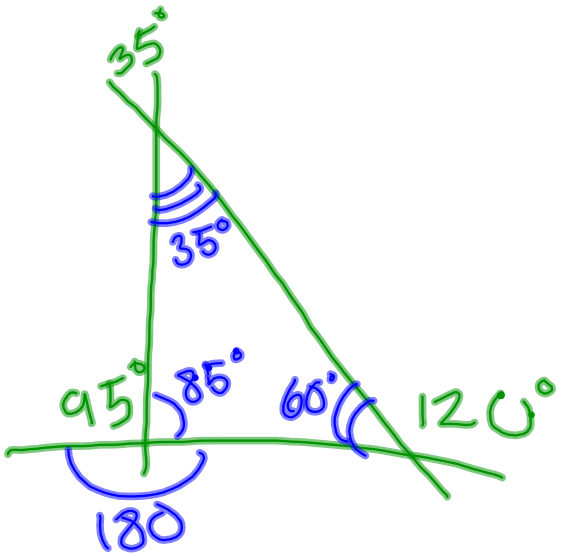

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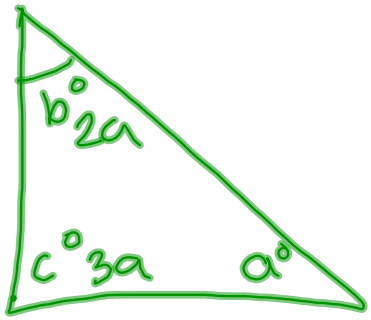
Triangle Rules

- the angles inside a triangle add up to 180°
- the sum of any two sides is greater than the third.



$b = 2a$

$c = 3a$

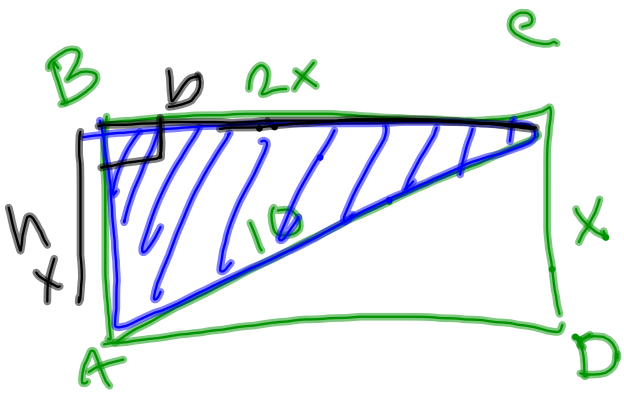
$a = ?$

$2a + 3a + a = 180$

$\frac{6a = 180}{6}$

$a = 30$

B



$A = \frac{1}{2}bh$

ΔABC area = ?

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

$$x^2 + (2x)^2 = 10^2$$

$$x^2 + 4x^2 = 100$$

$$\frac{5x^2 = 100}{5}$$

$$x^2 = 20$$

$$x = \sqrt{20} = 2\sqrt{5}$$

$4 \cdot 5$