Warm Up:

Solve for x:

$x^2 - 11x + 10 = 0$

$4x^2 + 13x - 12 = 0$

$\therefore x = \{1, 10\}$

	x	-1
x	x^2	$-1x$
-10	$-10x$	10

$\therefore x = \{1, -\frac{3}{4}\}$

$= \{-16, \frac{3}{4}\}$

$\{4, \frac{3}{4}\}$

$\{-8, \frac{1}{2}\}$

	x	$+16$
$4x$	$4x^2$	$16x$
-3	$-3x$	-48

$(4x-3)(x+16)=0$

$4x-3=0$

$4x=3$

$x=\frac{3}{4}$

$x+16=0$

$x=-16$

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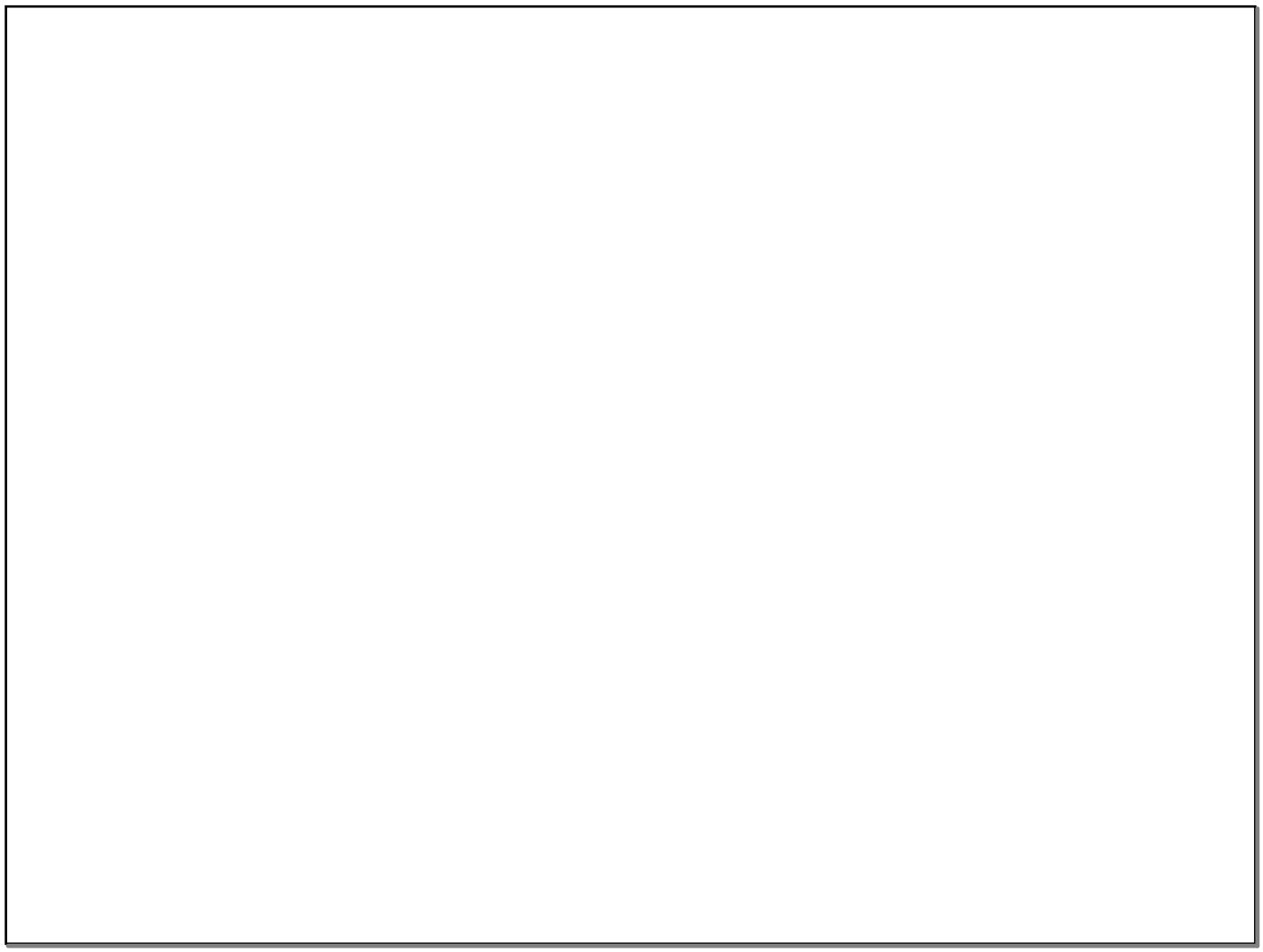


Investigation on Sketchpad

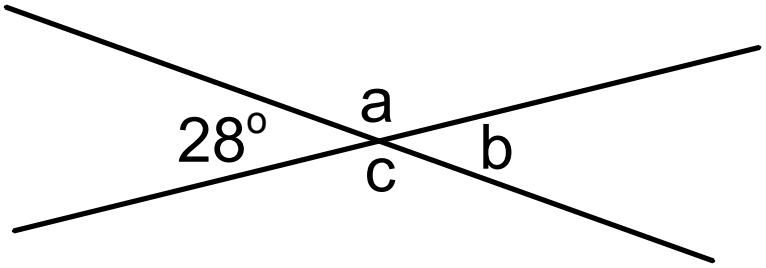
Linear Pair Conjecture: If two angles form a linear pair, then the measures of the angles add up to 180 degrees

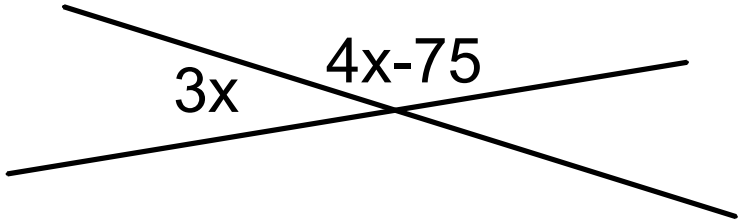
[redacted]

Vertical Angles Conjecture: If two angles are vertical angles, then

[redacted]

Find the measures of angles a, b and c.





Find the value of x and then the measure of both angles.

$3x+4x-75=180$

$7x-75=180$

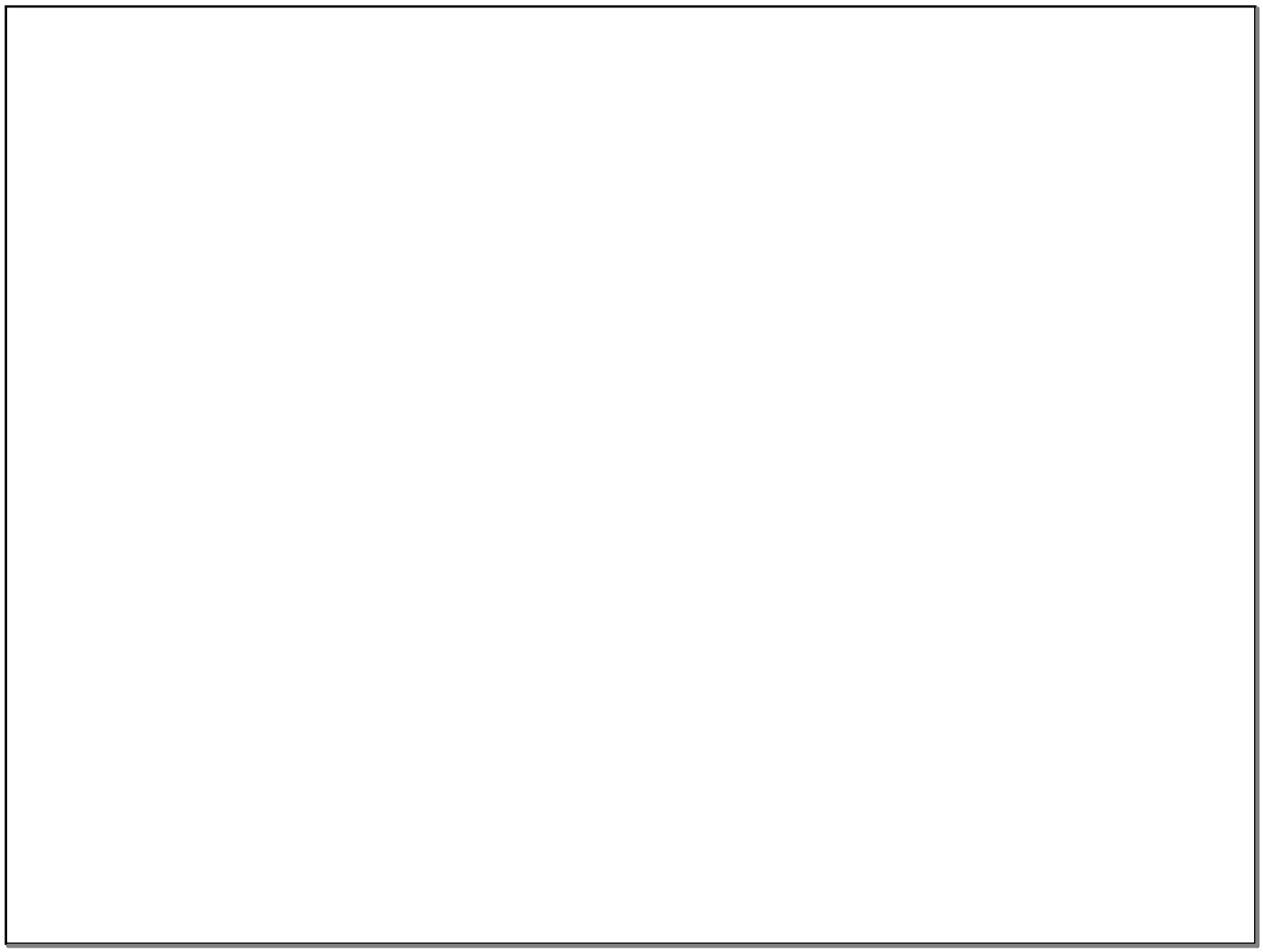
$7x=255$

$x=36.429$

$3x$

$3(36.429)$

$4(36.429)-75$

$70.716°$

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