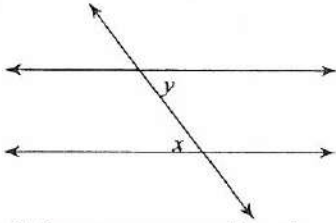Pre-AP Geometry A

Test Review - Unit 2
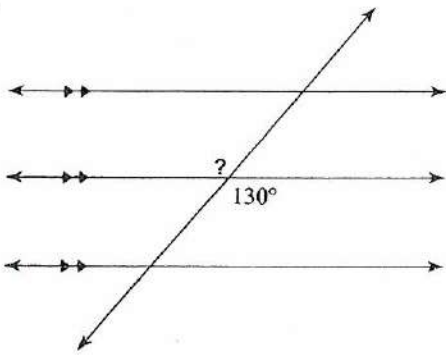
Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.
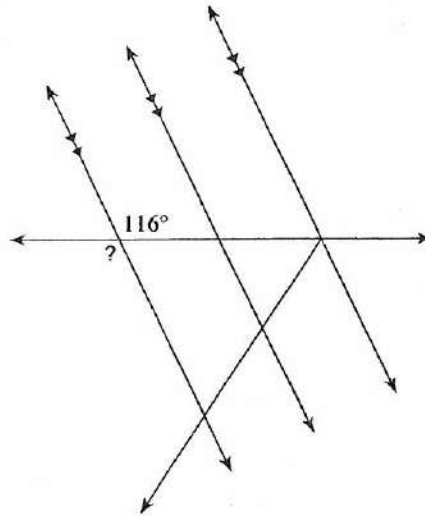
1)
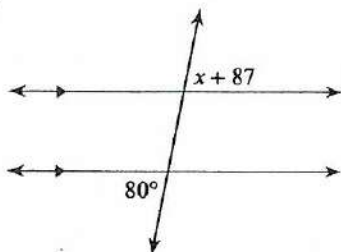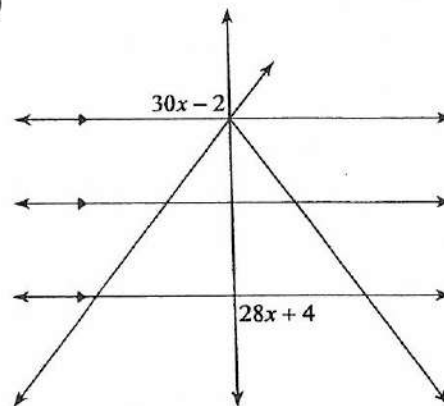
y
x

Find the measure of each angle indicated.

2)

?
$130°$

3)

$116°$
?

Solve for x.

4)

$x + 87$
$80°$

5)

$30x - 2$
$28x + 4$

Find the measure of the angle indicated in bold.

6)

$8x + 3$
$y + 2$
y
$9x - 6$
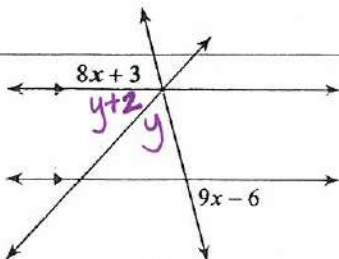
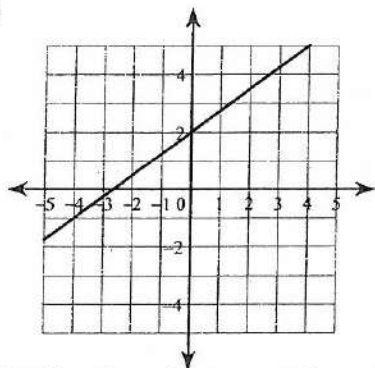Find the value of x that makes lines u and v parallel.

7)
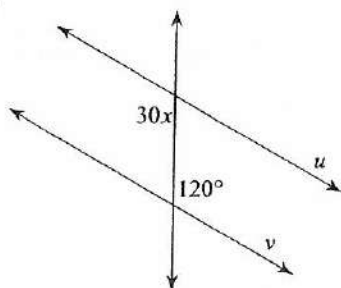
Find the slope of the line through each pair of points.

9) $(-13, 6), (-13, -6)$

Write the slope-intercept form of the equation of each line.

11)

Write the slope-intercept form of the equation of the line through the given points.

13) through: $(4, 5)$ and $(-4, -5)$

Write the slope-intercept form of the equation of the line described.

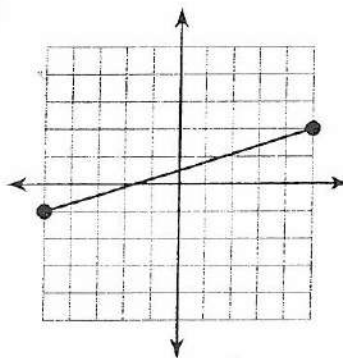14) through: $(4, 2)$, parallel to $y = 6x - 2$

Find the slope of each line.

8)

Find the slope of a line perpendicular to each given line.

10) $y = -2x + 3$

Write the slope-intercept form of the equation of the line through the given point with the given slope.

12) through: $(5, -3)$, slope $= \dfrac{1}{2}$

15) through: $(4, -1)$, perp. to $y = -\dfrac{5}{3}x - 3$

Write the point-slope form of the equation of the line through the given points.

16) through: $(5, -3)$ and $(-4, -3)$

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