Name: _____ Class: _____ Date: _____ ID: A

Unit 5 REVIEW (M.C.)

Multiple Choice (1 Point Each)
Identify the choice that best completes the statement or answers the question.

Write an equation of a line with the given slope and *y*-intercept.

1 $m = -2$, $b = 2$
Ⓐ $y = -2x + 2$
Ⓑ $y = 2x + 2$
Ⓒ $y = -2x - 2$
Ⓓ $y = 2x - 2$

Find the *x*- and *y*-intercept of the line.

2 $3x + 4y = 96$
Ⓐ x-intercept is 24; y-intercept is 32
Ⓑ x-intercept is 32; y-intercept is 24
Ⓒ x-intercept is 4; y-intercept is 3
Ⓓ x-intercept is 3; y-intercept is 4

What are the slope and *y*-intercept of the graph of the given equation?

3 $y = 8x + 2$
Ⓐ The slope is 8 and the y-intercept is 2.
Ⓑ The slope is 2 and the y-intercept is 8.
Ⓒ The slope is –8 and the y-intercept is –2.
Ⓓ The slope is –2 and the y-intercept is 8.

Write an equation in point-slope form for the line through the given point with the given slope.

4 (–8, 9); $m = 0.4$
Ⓐ $y + 9 = 0.4(x - 8)$
Ⓑ $y - 9 = 0.4(x + 8)$
Ⓒ $y + 8 = 0.4(x - 9)$
Ⓓ $y + 9 = 0.4(x + 8)$

What is the slope of the line that passes through the pair of points?

5 (3, 5), (8, 3)
Ⓐ $\frac{5}{2}$
Ⓑ $-\frac{2}{5}$
Ⓒ $-\frac{5}{2}$
Ⓓ $\frac{2}{5}$

Tell whether the lines for each pair of equations are *parallel*, *perpendicular*, or *neither*.

6 $y = 2x + 4$
$6x + 3y = 7$
Ⓐ parallel
Ⓑ perpendicular
Ⓒ neither

7 $y = \frac{5}{4}x + 2$
$16x + 20y = -24$
Ⓐ parallel
Ⓑ perpendicular
Ⓒ neither

8 Write $y = \frac{3}{5}x + 3$ in standard form using integers.
Ⓐ $-3x + 5y = 15$
Ⓑ $5x - 3y = 15$
Ⓒ $-3x - 5y = 15$
Ⓓ $-3x + 5y = 3$

Unit 5 REVIEW (M.C.)
Answer Section

MULTIPLE CHOICE

1	A
2	B
3	A
4	B
5	B
6	C
7	B
8	A