

Name: _____

Class/Period: _____

Assignment: Review 41 - 1

Teacher: Lee

1 Which value of x makes $\frac{x-3}{4} + \frac{2}{3} = \frac{17}{12}$ true?

- 1 8
- 2 6
- 3 0
- 4 4

2 Given $7x + 2 \geq 58$, which number is *not* in the solution set?

- 1 6
- 2 8
- 3 10
- 4 12

3 The value of x which makes $\frac{2}{3}\left(\frac{1}{3}x - 4\right) = \frac{1}{9}\left(\frac{3}{4}x - 2\right)$ true is

- 1 4.8
- 2 2
- 3 12.4
- 4 17.6

4 The formula for area of a circle is $A = \pi r^2$. The radius, r , of the circle may be expressed as

- 1 $\sqrt{\frac{A}{\pi}}$
- 2 $\sqrt{\frac{A\pi}{\pi}}$
- 3 $A + \pi$
- 4 $\sqrt{\frac{\pi}{A}}$

5 The slope- intercept form of the equation of a line is $y = mx + b$. When the formula is solved for m , the result is

- 1 $\frac{y-x}{b}$
- 2 $y - bx$
- 3 $\frac{y-b}{x}$
- 4 $\frac{x}{y} - b$

6 Which expression is equivalent to $-2(3g - 2) - (4g + 3)$?

- 1 $-10g + 7$
- 2 $-10g + 1$
- 3 $7g - 1$
- 4 $-1g + 7$

7 Given the set $\{x \mid -2 \leq x \leq 2, \text{ where } x \text{ is an integer}\}$, what is the solution of $-2(x - 5) < 10$?

- 1 0, 1, 2
- 2 1, 2
- 3 -2, -1, 0
- 4 -2, -1

8 The value of the x -intercept for the graph $4x + 3y = 12$ is

- 1 3
- 2 -4
- 3 $-\frac{4}{3}$
- 4 $\frac{4}{3}$

9 Choose the expression that mathematically represents the difference between 3 times a number and the quantity '5 times another number less 7'

- 1 $3x - (7 - 5x)$
- 2 $3x - (5y - 7)$
- 3 $3x - (5x - 7)$
- 4 $3x - (7 - 5y)$

10 Which graph represents the equation $4x - 5y = -10$?

