

## Benchmark Review #3

## Multiple Choice

Identify the choice that best completes the statement or answers the question.

Solve the equation. Check your solution.

1.  $-0.8x = 7.2$

- a. -5.76
- b. 6.4
- c. -9
- d. 8

2.  $\frac{2}{3} = \frac{5}{7}c$

- a. -1
- b.  $-1\frac{4}{15}$
- c.  $-\frac{1}{14}$
- d.  $\frac{14}{15}$

Solve the equation.

5.  $5(3 - 9b) = 3(-15b - 2)$

- a.  $\frac{7}{30}$
- b. infinitely many solutions

c. no solution

d.  $\frac{7}{30}$

6.  $\frac{1}{2}(-16s - 20) = -8s - 10$

- a. no solution
- b. 10
- c. infinitely many solutions
- d. -10

3.  $\frac{1}{2}(y - 36) = -12$

- a. 12
- b. 48
- c. -60
- d. -12

4.  $-6a = 2 - 9a$

- a.  $1\frac{1}{2}$
- b.  $-7\frac{1}{2}$
- c.  $-\frac{2}{15}$
- d.  $\frac{2}{3}$