

Name: \_\_\_\_\_

Answers:

1. C

2. A

3. B

4.  $\frac{5-x}{3x}$  or  $\frac{5}{3x} - \frac{1}{3}$

5. a. 5

b.  $3x^2 + 1$

6.  $y = \frac{1}{8}(x+3)^2 - 2$

7. a.  $y = \frac{w^2k}{xz}$

b.  $y = \frac{16}{5}$  or 3.2

8.  $-\frac{3}{4}, -\frac{4}{3}$  and  $3, \frac{1}{3}$

9.  $A(x) = x \frac{1600-4x}{5}$

10. Amount of 10% = 7.5 gallons

Amount of 50% = 4.5 gallons