

Exam #3 Review

1

Practice #1

- At Super Foods, you can buy 11 pounds of rice for \$6. What is the price of rice per pound with this deal?
- How much rice can you get per dollar?

2

Practice #2

- At Super Foods, a frozen pizza is on sale for 20% off and it now costs \$6.60. What was the price before the discount?

3

Practice #3

Solve for r.

$$\frac{r + p}{2} = S$$

4

Practice #4

Lucy got an \$50 gift card to Heros coffee. She bought some coffee that cost \$9.45 per pound, and then she had \$22.25 left on the card. Write an equation to represent this situation, using c to represent the pounds of coffee that she bought.

5

Practice #5

Solve the inequality and write your answer as an interval.

$$-20 + 5(7 - w) > 2(w + 3)$$

6

Practice #6

Solve the inequality and write your answer as an interval.

$$1 - \frac{7}{6}v \geq \frac{9}{8} - \frac{5}{6}v$$

7

Practice #7

Solve the inequality and write your answer as an interval.

$$2 < 4x + 2 \text{ and } -2 < -x + 6$$

8

Practice #98

Solve the inequality and write your answer as an interval.

$$2 < 4x + 2 \text{ or } -2 < -x + 6$$

9

Practice #9

A rental company charges \$20 to rent a chain saw, plus \$9 per hr. Tom can spend no more than \$65 to clear some logs from his yard. What is the maximum amount of time he can use the rented saw?

10

Practice #10

Newlyweds Bryce and Lauren need to move their belongings to their new apartment. They can rent a truck from U-Haul for \$29.95 per day plus 28 cents per mile or from Budget Truck Rentals for \$34.95 per day plus 25 cents per mile. After how many miles (to the nearest mile) would the Budget rental be a better deal than the U-Haul rental?

11