BW-ACT practice #9

prACTice 9

- 1. The average of three numbers is x. If the first number is y and the second number is z, what is the third number?
- **A.** $\frac{1}{3}x y z$ **B.** 3x y z **C.** x 3y 3z
- **D.** 3x + y + z

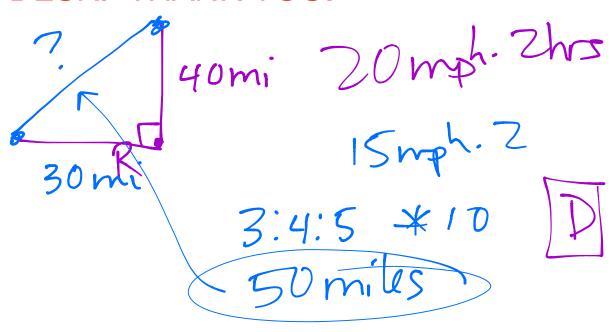
$$E. \frac{x+y+z}{3}$$

- 2. If two cowboys leave a ranch at 9:00 am, how far apart will they be at 11:00 am if one travels directly north at 20 mph and the other travels directly west at 15 mph?
 - A. 25 miles
- B. 35 miles
- C. 70 miles
- D. 50 miles

- E. 500 miles
- 3. Which of the following is NOT a rational number?

- **B.** $\sqrt{4}$ **C.** $\sqrt{\frac{1}{9}}$ **D.** 2.183333 $\overline{33}$...

PLEASE PLACE YOUR HW ON YOUR DESK. THANK YOU.



9-8: how do I solve compound inequalities?

 $5x. -3 < x - 1 \le 5$

$$-3 < \chi - 1$$

$$-2<\chi$$
 $\chi > -2$

$$(-2, 6)$$

$$\left\{ \chi \left| -2 < \chi \leq 6 \right\} \right.$$

$$\{x \mid x = 2 \text{ and } x \leq 6\}$$

Ex. Solve:

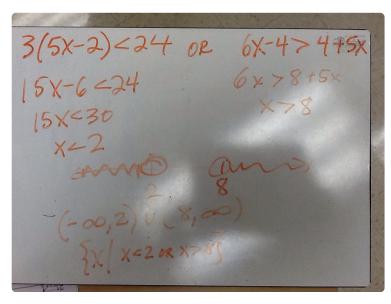
$$3x+1=7$$
 or $2x-9=7$
 $3x=6$
 $3x=6$
 $x=2$
 $x=2$

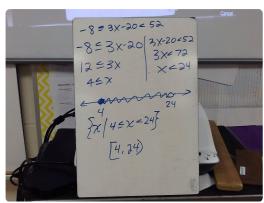
$$02$$

$$-02$$

$$-0,2]U[8,\infty)$$

$$\{x \mid x \leq 2 \text{ or } x \geq 8\}$$





Quiy-only graded evens 2, 4,6 -> 4pts. each 8,10,-> 67ts each

$$0.3 = \frac{1}{3}$$
 $\sqrt{4} = 2$
 $\frac{4}{3} = 2$
 \frac

C = 3x - y - z (B) 9-8 howdo I solve compound inequalities? Ex. Solve: OR 3x-1714 2x+1 <-7 3×715 7x=-8 X75 x = -4 MINING THE PARTY OF THE PARTY O $(-\infty, -4] \cup (5, \infty)$ 5 χ x=-4 or x75}

2x. 18 < 4x - 10 < 50 18 < 4x - 10 < 50 18 < 4x - 10 < 50 4x < 60 4x < 60 x < 15 x > 7 < x > 7 < x < 15 x > 7 < x < 15

P. 44:27-32 P. 48: 11-47 all