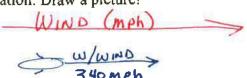
7WP - Current Word Problems with Systems

Period Date

1) Flying with the wind a plane went 340 mph. Flying into the same wind the plane only went 302 rnph. Find the speed of the plane in still air and the speed of the wind (SPEED OF THE PLANE) PLANE IN STILLAIR Key Information: Draw a picture!





Equations: 1) Www $\times + = 340$ 2) No and Charles $\times - y = 302$

CMPh

Solve and Check:

$$\frac{2x = 642}{2}$$

$$(x = 321)$$

2) Traveling with the current a certain boat went 10 mph. Against the same current it only went 2 mph. Find the speed of the boat in still water and the speed of the current.

Key Information: Draw a picture!



Variables: X= Speed in still Water (mph) Y= Current speed (mph)

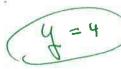
Equations: 1)
$$X + Y = 10$$

2) $X - Y = 2$

Solve and Check:

Solve and Check:





6mph in still water; current speed is 4mph Answer (in words)

