(a) 
$$d=70$$
 miles,  $d=15$  miles total d=85 miles  
 $5=15\frac{\text{miles}}{\text{hour}}$ ,  $s=20\frac{\text{miles}}{\text{hour}}$ 

(b) 
$$S = \frac{d}{d}$$

$$3 = \frac{85 \text{ miles}}{5.42 \text{ hours}}$$

$$S = \frac{d}{t} + \frac{70}{15} = 4.67 \text{ hours}$$

$$S = \frac{85 \text{ miles}}{5.42 \text{ hours}} + \frac{15}{20} = \frac{4.67 \text{ hours}}{15} = \frac{15}{20} = \frac{4.75 \text{ hours}}{15} = \frac{15}{20} = \frac{4.75 \text{ hours}}{15} = \frac{15}{20} = \frac{4.67 \text{ hours}}{15} = \frac{15}{20} = \frac{15}{2$$

$$5 = \frac{85}{5.42}$$

$$5 = \frac{15.7}{hour}$$

$$5) 5 = \frac{d}{t}$$

$$t \cdot 15.7 = 85$$

$$t \cdot 15.7 = 85$$

$$15.7 = 5.41$$

Velocity Problems 1:

displacement, not distance
direction (make up if there
is not a direction in the problem)
Velocity = displacement
time

U = d

t

(i) (b) 
$$t = 11m$$
,  $t = 63s$  A more gore meters in a line. It to seconds.

(3)  $t = \frac{d}{t}$  Seconds.

(4)  $t = \frac{11}{63s}$ 

(5)  $t = \frac{d}{t}$ 

(6)  $t = \frac{d}{t}$ 

(7)  $t = \frac{d}{t}$ 

(8)  $t = 17$ 

(9)  $t = 17$ 

(1)  $t = 17$ 

(1)  $t = 17$ 

(2)  $t = 17$ 

(3)  $t = 17$ 

(4)  $t = 17$ 

(5)  $t = 17$ 

(6)  $t = 17$ 

(7)  $t = 17$ 

(8)  $t = 17$ 

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(7)  $t = 17$ 

(8)  $t = 17$ 

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(10)  $t = 17$ 

(11)  $t = 17$ 

(12)  $t = 17$ 

(13)  $t = 17$ 

(14)  $t = 17$ 

(15)  $t = 17$ 

(17)  $t = 17$ 

(18)  $t = 17$ 

(19)  $t = 17$