S.M.ART School MAB2 HW due 04-29-2024

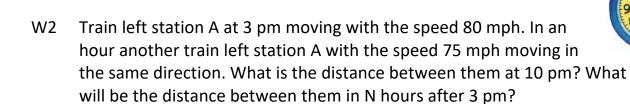
R1 √2.56

R2 √2,560

R3 v0.00121

R4 √12.1

W1 Chris and Mia live 10 miles from each other. They started to move towards each other simultaneously. Chris's speed is 4 mph. When they met it was 4 miles from Mia's house. How fast Mia goes in miles per hour?





W3 At 6:00 am a car left city A and headed for city B at 80 km/h. At 9:00 am another car left city B 11and headed for city A at 90 km/h. At what time did cars meet if the two cities are 580 km apart?

G1. If 27 is added to a two digits number, the result is equal to a number obtained by reversing the digits of original number. Find the original number.

Solve Linear Equations

E1 $5^*x/4 - (3^*x - 3)/18 = 9/10$

E2
$$5/(2^*x) - 4/(6^*x) - 3/(8^*x) = 5/12$$

E3
$$2/(3*x) - 3/(7*x) + 1/(6*x) = 2/7$$

E4
$$7/(3^*x-2) + 9/(6^*x-4) = 23/26$$

C1 Compute.

Label every operation you must execute. Make sure the order of labels corresponds to the Order of Operations principles. Execute each operation according to the order of labels. Provide the result of each operation.

Symbol ":" stands for division. Coma "," means decimal point.

$$\frac{2\frac{1}{6}+1,5}{2\frac{1}{6}-1,5} + \frac{\frac{2}{13}\cdot\left(5,84+7\frac{4}{25}\right)}{\frac{8}{9}:4\frac{4}{9}-0,05} - \frac{\left(\frac{19,2}{0,12}-3,4\right):0,9}{1,2:\frac{1}{29}\cdot\frac{1}{2}} - 29,9$$