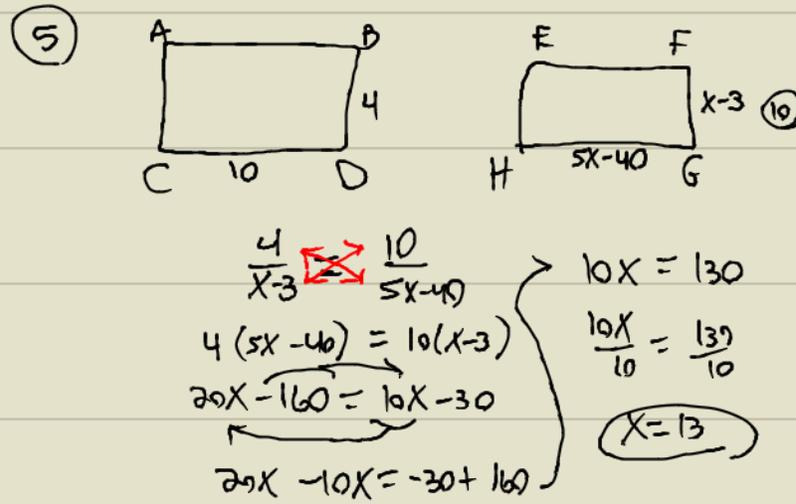
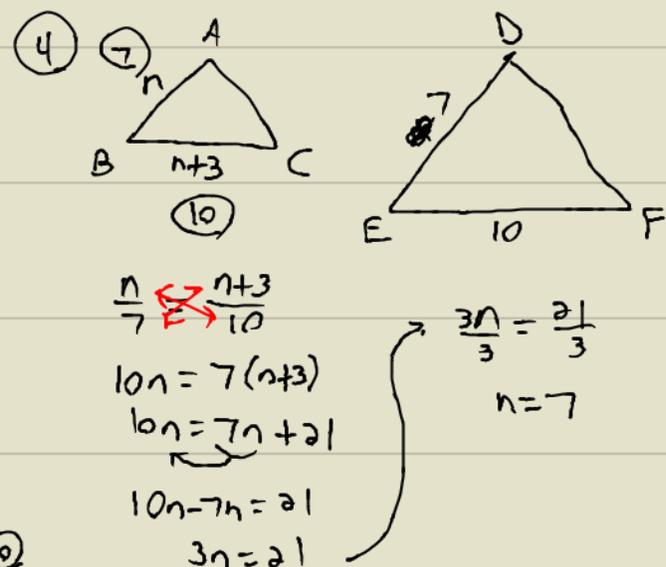
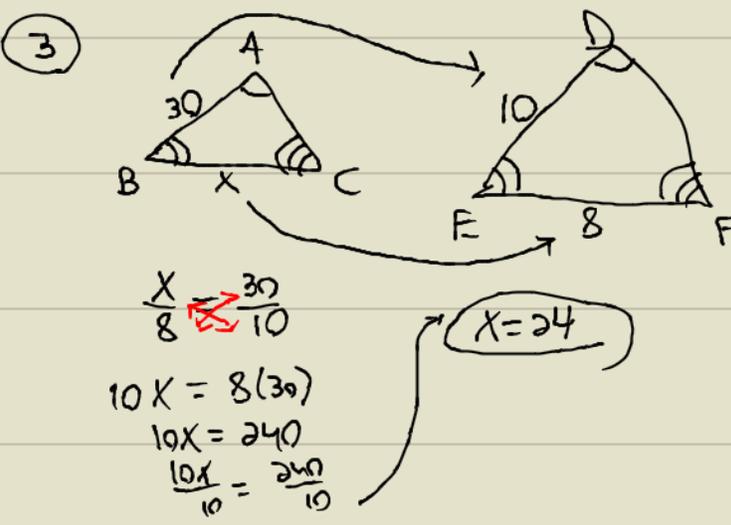


①  $\frac{x+9}{4} \leftrightarrow \frac{x-4}{7}$   
 SINGLE FRACTION SINGLE FRACTION  
 "PROPORTION"

$4(x-4) = 7(x+9)$   
 $4x - 16 = 7x + 63$   
 $4x - 7x = 63 + 16$   
 $-3x = 79$   
 $\frac{-3x}{-3} = \frac{79}{-3}$   
 $x = -\frac{79}{3}$

②  $\frac{x+2}{5x-12} \leftrightarrow \frac{3}{x}$   
 $x(x+2) = 3(5x-12)$   
 $x^2 + 2x = 15x - 36$   
 $x^2 + 2x - 15x + 36 = 0$   
 $x^2 - 13x + 36 = 0$  (PSD)  
 $(x-4)(x-9) = 0$   
 $x-4=0 \quad x-9=0$   
 $x=4 \quad x=9$



⑥  $\frac{1}{10} + \frac{1}{6} = \frac{1}{x}$   
 DAVID FRANK

⑦  $\frac{1}{8} + \frac{1}{x} = \frac{1}{3}$   
 SAUL JUDY

⑧  $\frac{1}{x+8} + \frac{1}{x} = \frac{1}{20}$   
 PIPE A PIPE B

⑨  $\frac{2}{10-c} = \frac{5}{10+c}$

⑩  $\frac{3}{x-5} = \frac{8}{x+5}$