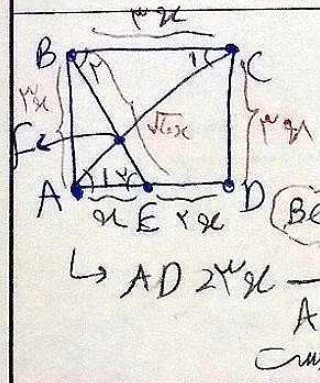
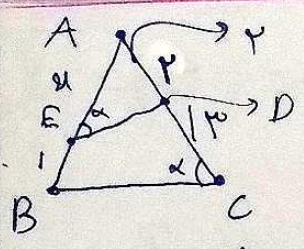


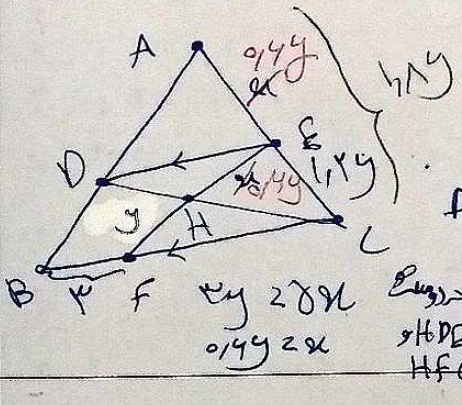
نام و نام خانوادگی جیسار جباری پاسخنامه تشریحی تکلیف شماره ... ۲۱ ... کلاس ... یازدهم ... تاریخ ...



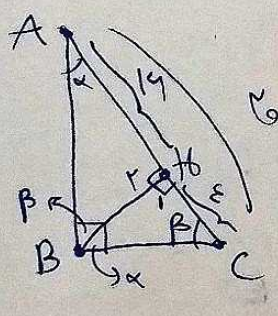
$EF = ?$ $CD \perp AD \Rightarrow AC \perp AD \Rightarrow AC = \sqrt{24^2 + 18^2} = 30$ $\rightarrow AF = \frac{AC}{2} = 15$
 $(AE)^2 + (AB)^2 = BE^2 \Rightarrow BE = \sqrt{10^2 + 18^2} = 20$ $\rightarrow BE = FE = \frac{20}{2} = 10$
 $BC \parallel AD, BE \perp AD \Rightarrow \angle BFC = \angle AFE$ (5)
 $\frac{FE}{BE} = \frac{AF}{AC} = \frac{1}{2}$ (1) $\frac{FE}{BE} = \frac{AF}{AC} = \frac{1}{2} \Rightarrow \frac{FE}{10} = \frac{15}{30} \Rightarrow FE = 5$



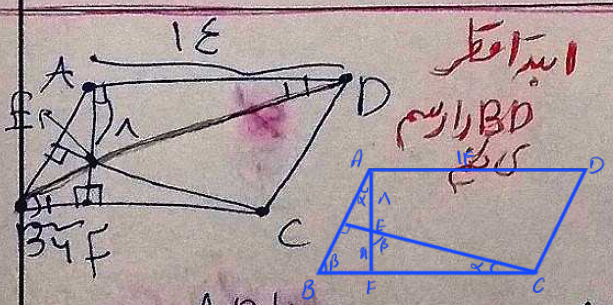
$AE = 16, ED = 2, BC = 18$
 $\frac{AE}{AB} = \frac{ED}{BC} \Rightarrow \frac{16}{16+2} = \frac{2}{18} \Rightarrow 16 \cdot 18 = 2(16+2) \Rightarrow 288 = 32 + 4 \Rightarrow 256 = 32 \Rightarrow 16 = 2$ (5)
 $\frac{AE}{AB} = \frac{ED}{BC} \Rightarrow \frac{16}{18} = \frac{2}{18} \Rightarrow 16 = 2$



$DE \parallel BC \Rightarrow \frac{DE}{BC} = \frac{AE}{AC} = \frac{1}{2}$ (5)
 $\frac{DE}{BC} = \frac{AE}{AC} = \frac{1}{2} \Rightarrow \frac{4}{10} = \frac{AE}{14} \Rightarrow AE = \frac{4 \cdot 14}{10} = 5.6$
 $\frac{DE}{BC} = \frac{AE}{AC} = \frac{1}{2} \Rightarrow \frac{4}{10} = \frac{AE}{14} \Rightarrow AE = 5.6$



$\frac{1}{14} = \frac{1}{14} = \frac{BC}{AB}$ (5)
 $\frac{1}{14} = \frac{1}{14} = \frac{BC}{AB} \Rightarrow \frac{1}{14} = \frac{1}{14} = \frac{BC}{AB} \Rightarrow \frac{1}{14} = \frac{1}{14} = \frac{BC}{AB}$



$AD \parallel BC, BD \perp AD \Rightarrow \angle D = \angle B = 90^\circ$
 $\frac{EF}{BE} = \frac{AF}{AD} = \frac{1}{2}$ (5)
 $\frac{EF}{BE} = \frac{AF}{AD} = \frac{1}{2} \Rightarrow \frac{4}{5} = \frac{AF}{12} \Rightarrow AF = \frac{4 \cdot 12}{5} = 9.6$

