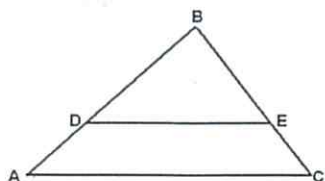


8. Complete the following proof given the picture below.



Given:  $DE \parallel AC$

Prove:  $\triangle BAC \sim \triangle BDE$

Statements	Justifications
1.	1.
2. $\angle B \cong \angle B$	2.
3.	3. If $2 \parallel$ , corresponding $\angle$ 's are $\cong$
4.	4.

9. A cabinet has a diagonal length of 34.5 inches and a width of 26 inches. You only have room for a 20 inch tall cabinet. Will this cabinet fit? How do you know?

Picture	Work	Answer

10. A flag pole is 32 feet tall. You are standing 15 feet away from the flag pole. What is your angle of elevation to see the top of the flag pole?

Picture	Work	Answer