## SPECIAL SEGMENTS IN TRIANGLES CONTINUED

Based on the markings below, tell whether $\overline{\mathrm{AB}}$ in each triangle is a :
A. Angle Bisector
B. Median
C. Altitude
D. Perpendicular Bisector List all that apply.
(2.

Find the indicated values.
7. $\mathrm{BD}=$ _

A\#5-5; Pg. 3
10. $\quad$ Suppose $\overline{B E}$ is an altitude and $\mathrm{m} \angle \mathrm{A}=30^{\circ}$. Find $\mathrm{m} \angle \mathrm{ABE}$.


Choose the best answer choice for the following.

| 16. | What information is needed to conclude that $\overrightarrow{E F}$ is the bisector of <br> $\angle \mathrm{DEG}$ ? |
| :--- | :--- |
| F. $\mathrm{m} \angle \mathrm{DEF}=\mathrm{m} \angle \mathrm{DEG}$ <br> G. $\mathrm{m} \angle \mathrm{FEG}=\mathrm{m} \angle \mathrm{DEF}$ <br> H. $\mathrm{m} \angle \mathrm{GED}=\mathrm{m} \angle \mathrm{GEF}$ <br> J. $\mathrm{m} \angle \mathrm{DEF}=\mathrm{m} \angle \mathrm{EFG}$ |  |

