Geometry

9.3 Similar Right Triangles

Right Trian	gle Similarity Theorem	
If the	is drawn to the	of a right triangle, then the two triangles formed are to
the	triangle and to	of a right triangle, then the two triangles for met are to
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$\Delta CBD \sim \Delta ABC$, ΔACD ~ ΔABC, ΔCBD ~ ΔACE)
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identity the si	innar triangles. Then intu x.	F
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		G - 4
Geometric	Mean	
The geome	tric mean of two positive nu	mbers and is the positive number that satisfies $\frac{a}{b} = \frac{x}{b}$. So
rne geome	the mean of the positive na	$x = b^{-1}$
Find the geom	 etric mean of 8 and 10	
i ina the geon	lettle mean of 0 and 10.	
Geometric	Mean (Altitude) Theorem	
If the altitu	de is drawn to the hypotenu	se of a right triangle, then the is the of
the two	of the	·
$CD = \sqrt{AD}$	DB	
Geometric	Mean (Leg) Theorem	
	(-05)	
If the altitude	do is drawn to the homestarra	as of a night triangle than each is the
If the altitu	de is drawn to the hypotenu and the	se of a right triangle, then each is the of of the

