Lesson 3.5 - Distance between 2 points and midpoint of a Line-Solutions.r Modeler 20, 2014





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Practice	EXAMPLE 1	
Calculate the distance between the following pair of points		
E(3,7) and F(9, 4)	A(-5,-2) and B(-7, -6)	
$\Delta x = 9 - 3 = 6$	5× = -5-(-1)	
59 = 4-7 = -5	= 2	
$D^2 = 4^2 + 3^2$	$\Delta y = -2 - (-4)$	
= 36 + 9	- 7	
D2 = 45	$D^2 = Z^2 + 4^2$	
$D = \sqrt{45}$	=4+16	
D = 67	$D = \sqrt{20}$ $D = 4.5$	
	-	

Practice	YOU TRY!	
Calculate the distance between the following pair of points		
C(3,-5) and D(6, -3)	H(-5,-2) and I(-7, -6)	
Dx = 3-6 = -3 Dy = -5-(-3) = -2	Sx = -5-(-7) = 2 Sy = -2-(-6) = 4	
$D^{2} = 3^{2} + 2^{2}$ = 9 + 4 $D^{2} = 13$ $D = \sqrt{13}$ D = 3.6	$D^{2} = z^{2} + 4^{2}$ = 4 + 16 $D^{2} = z_{0}$ $D = \sqrt{z_{0}}$ $D = 4.5^{-}$	











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Practice		HOMEWORK!
	Complete Worksheet:	

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