08-25-14 Warmup/Lesson (no journals on Mondays)

Consider the points R(-4, 5) and Q(2, -3).

- 1. Plot the points.
- What is the distance between these points? Use the distance formula and 2

2. What is the distance between these points: use the distance formula and  
round your answer to the nearest thousandth if necessary.  

$$d = \sqrt{(d_iff \times)^2 + (d_i)(f + y)^2}$$

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3. What is the slope of  $\overline{RQ}$ ? Show work.  

$$\int ope = \frac{10}{(M - 1)} + \frac{10}{(M + 1)$$

E

is the equation of that line in **point-slope form.** 

 $\overrightarrow{ET}$  is the perpendicular bisector of  $\overrightarrow{RQ}$ . What is the equation for  $\overrightarrow{ET}$  in point-slope form? 7.

Show of 
$$ET = 3/4$$
  $Pf M(-1,1)$   
 $y - y_1 = m(x - x_1)$   
 $y - -3 = \frac{1}{3}(x - 2)$   
 $y + 3 = \frac{1}{3}(x - 2)$