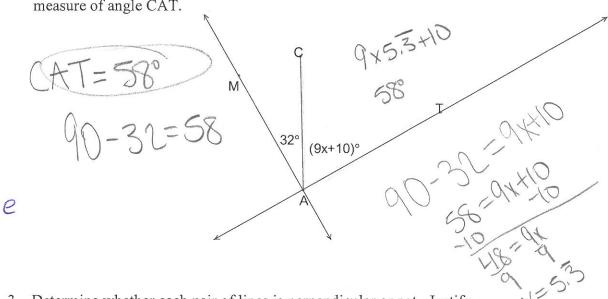
The intent of these exercises is to assess your knowledge perpendicular lines and ability to use that knowledge to solve problems.

1. Suppose two segments are perpendicular, what is implied about the angle of intersection between these two segments.

2. In the following illustration, segments MA and AT are perpendicular. Find the measure of angle CAT.



3. Determine whether each pair of lines is perpendicular or not. Justify

a.) line AB where A:(4, 12), B:(6, 9) line CD where C:(5, 8), C:(3, 11)

No, the slopes when multipled together, do not equal -1.

-3 x 3 = +9

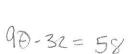
b.) line AB defined by y = 3x + 7

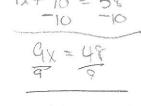
line CD defined by x + 3y = 12

- If x+3y=12, then \frac{1}{3}x+y=4.

- The intent of these exercises is to assess your knowledge perpendicular lines and ability to use that knowledge to solve problems.
  - 1. Suppose two segments are perpendicular, what is implied about the angle of intersection between these two segments.

2. In the following illustration, segments MA and AT are perpendicular. Find the measure of angle CAT.

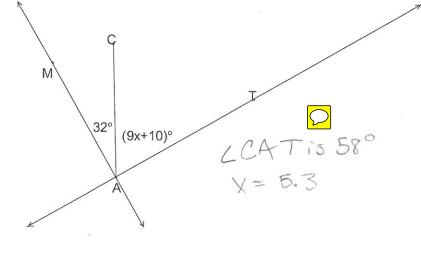




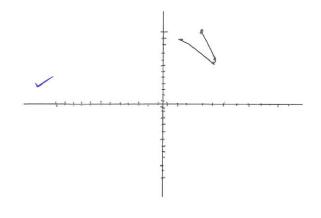
0 1

X

X = 5.3



3. Determine whether each pair of lines is perpendicular or not. Justify a.) line AB where A:(4, 12), B:(6, 9) line CD where C:(5, 8), C:(3, 11)



The lines are not perpindicular becouse the angle messure is acutewhich is less than 900



b.) line AB defined by y = 3x + 7line CD defined by x + 3y - 12

X-1Z=3y 90=4k-5 95=4x 95=4x13.76 = X

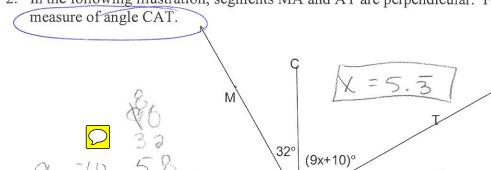
0

The intent of these exercises is to assess your knowledge perpendicular lines and ability 7 to use that knowledge to solve problems.

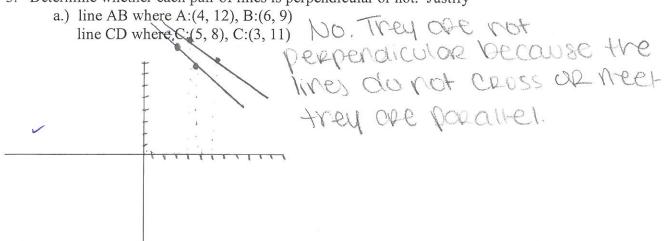
1. Suppose two segments are perpendicular, what is implied about the angle of

intersection between these two segments. The chare of intersection to between both segments are going to be corresponding. They will be congruent if they

2. In the following illustration, segments MA and AT are perpendicular. Find the Or proper



3. Determine whether each pair of lines is perpendicular or not. Justify



b.) line AB defined by y = 3x + 7line CD defined by x + 3y = 12

> x + 3(3x+7)=12 x + 9 x +