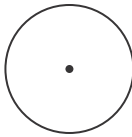

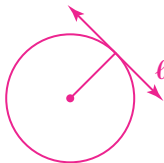
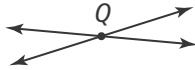
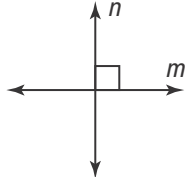
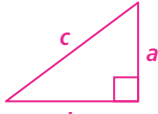




10-2 Mathematical Literacy and Vocabulary

Lines Tangent to a Circle

Complete the vocabulary table by filling in the missing information.

Word or Word Phrase	Definition	Picture or Example
circle	A <i>circle</i> is the set of all points that are the same distance from the center point.	
radius	A <i>radius</i> is a line segment with one endpoint at the center of a circle and the other endpoint at any point on the circle.	1. 
tangent	A line is <i>tangent</i> to a circle if it intersects a circle at exactly one point.	2. 
intersection	3. The <i>intersection</i> of two or more figures is the set of points the figures have in common.	The intersection of the two lines is a point. 
perpendicular	4. Two lines are <i>perpendicular</i> if they intersect and form right angles.	
Pythagorean Theorem	The <i>Pythagorean Theorem</i> states that in a right triangle the square of the length of the hypotenuse is equal to the sum of the squares of the lengths of the other two sides.	5.  $a^2 + b^2 = c^2$
point of tangency	A <i>point of tangency</i> is point where a tangent to a circle intersects the circle.	6. 