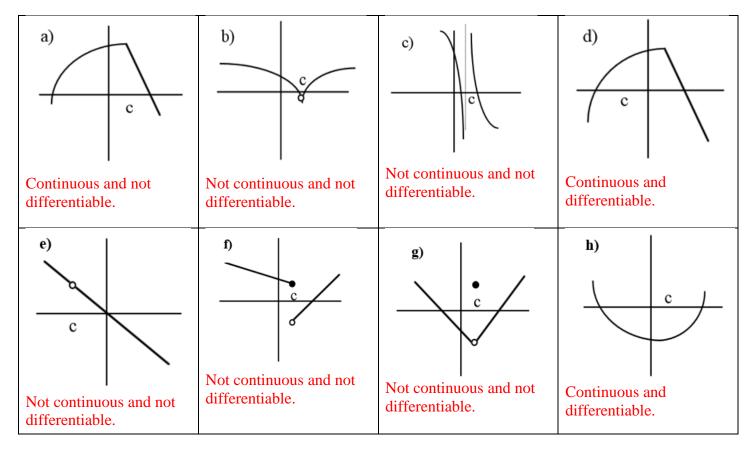
Skill Builder: Topics 2.4 – Differentiability

1.) For the following, state whether the function is continuous, differentiable, both or neither at x = c.



2.) Sketch a function having the following attributes, if possible.

a.) differentiable and continuous at the point (2,4)	b.) continuous, but not differentiable at (-3,1)	c.) cusp at the point (-1, 3)	d.) differentiable, but not continuous at (2,-4) not possible.
			Differentiable then continuous.

Skill Builder: Topics 2.4 – Differentiability

3.) For each function, f(x), determine if the function is continuous or non-continuous, differentiable or non-differentiable, and sketch the curve.

