MFM2PI – *Unit 5: Trigonometry – Objective # 2 Self Assessment*  Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Self Assessment: Hypotenuse, Opposite, and Adjacent Sides**

*Label the sides of the following right angle triangles relative to the reference angle indicated.*

a) b)

*h*

*H*

*T*

*y*

*t*

*Y*

*D*

*Q*

*F*

*d*

*f*

*q*

From reference angle D,

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, &

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

From reference angle H,

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, &

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

c) d)

e) f)

*E*

*p*

*P*

*I*

*y*

*i*

*Y*

*N*

*n*

*m*

*M*

*r*

*R*

*U*

*L*

*A*

*u*

*a*

*l*

From reference angle M,

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, &

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

From reference angle U,

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, &

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

From reference angle Y,

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, &

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

From reference angle E,

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, &

side \_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

*b*

*g*

*e*

*B*

*G*

g) h)

From reference angle \_\_\_\_\_,

side “e” is the hypotenuse

side “k” is the opposite &

side “d” is the adjacent

From reference angle \_\_\_\_\_,

side “g” is the opposite

side “j” is the adjacent &

side “r” is the hypotenuse

Summarize the key learnings from this objective in full sentences:

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