For each expression do the following:

a. Evaluate each for G = 8 H = -16 K = -4. Round to the nearest hundredth as needed. b. List the subset(s) of Real Numbers to which each answer belongs.

2. 
$$-H^2 - KG^3$$
 3.  $\frac{\sqrt{K^2 + G}}{-G + K - H}$ 

4. Find the reciprocal of each number.

a. -1.375 b.  $9\frac{4}{7}$ 



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$$-H^2 - KG^3$$
  
3.  $\frac{\sqrt{K^2 + G}}{-G + K - H} = \frac{\sqrt{(-4)^2 + g}}{-(g) + -4 - (-16)^2} + \frac{124}{4}$   
 $= -(-16)^2 - (-4)(g)^3$   
 $= -256 + 4(512)$   
 $= -256 + 2048 = 1792$  Natural  
 $= 1.22$  IRIZATIONA  
4. Find the reciprocal of each number.  
a.  $-1.375 = -\frac{1375}{1000}$   
b.  $9\frac{4}{7} = \frac{67}{7}$   
Reciprocal<sup>(3)</sup>  
 $= 260$ 

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