| Bellwork                | Hon Alg 2 | Tuesday, October 25, 2016 |
|-------------------------|-----------|---------------------------|
| Factor each completely. |           |                           |

3.  $\frac{27}{16}Q^2 - \frac{3}{25}$ 2.  $24c^5 - 68c^3d^3 - 56cd^6$ 1.  $3a^4 - 34a^2 + 63$ 

Bellwork Factor each completely.

Hon Alg 2

2

Tuesday, October 25, 2016



1.  $3a^4 - 34a^2 + 63$ 



2. 
$$24c^{5} - 68c^{3}d^{3} - 56cd^{6}$$
  
 $4c \left( bc^{4} - 17c^{2}d^{3} - 14d^{6} \right)$   
 $-21 + 4$   
 $-21 + 4$   
 $-21 + 4$   
 $-17$   
 $3c^{2} - 6c^{4} - 31c^{2}d^{3}$   
 $+2d^{3} + 4c^{2}d^{3} - 14d^{6}$   
 $4c \left( 3c^{2} + 2d^{3} \right) \left( 2c^{2} - 7d^{3} \right)$ 

3. 
$$\frac{27}{16}Q^2 - \frac{3}{25}$$
  
3  $\left[\frac{9}{16}Q^2 - \frac{1}{25}\right]$   
3  $\left(\frac{3}{4}Q + \frac{1}{5}\right)$