$$\vec{A} \cdot \vec{B} = 17$$

$$|\vec{A}| = \sqrt{65}$$

$$|\vec{B}| = \sqrt{5}$$

$$\theta = \cos^{-1}\left(\frac{17}{\sqrt{325}}\right) = 0.34 \text{ rad}$$

$$\overrightarrow{QR} = \overrightarrow{R} - \overrightarrow{Q} = [a, -\lambda, \lambda]$$

$$|\overrightarrow{QR}| = 1a^{a} + 9$$

$$4-a^{\lambda}=\sqrt{(a^{\lambda}+4)(a^{\lambda}+8)}$$
 Los  $\theta$ 

$$\theta = \cos^{-1}\left(\frac{4 - a^{\lambda}}{\sqrt{(a^{\lambda} + 4)(a^{\lambda} + 8)^{1}}}\right)$$

$$\frac{\pi}{a} = \cos^{-1}\left(\frac{4-a^{3}}{\sqrt{(a^{3}+4)(a^{3}+8)^{3}}}\right) \Rightarrow a = -a, a$$