Assignment:

Worksheet - Sketching Angles in Radians.doc

Solutions...

1. $-\frac{5}{3}$

2. $\frac{-\sqrt{6}}{3}$

3. $-2-\sqrt{3}$

4. $\frac{-5}{3}$

5. $\frac{4+3\sqrt{3}}{6}$

6. $\frac{-10}{3}$

7. 0

8. $\frac{3+3\sqrt{3}}{-2}$

Rationalizing...

ex.

3) $\frac{-1}{2-\sqrt{3}}\left(\frac{2+\sqrt{3}}{2+\sqrt{3}}\right)$

$2-\sqrt{3}$ binomial

$=\frac{-2-\sqrt{3}}{4-3}$

$=-2-\sqrt{3}$

$\frac{3}{\sqrt{6}}\left(\frac{\sqrt{6}}{\sqrt{6}}\right)=\frac{3\sqrt{6}}{6}$

$=\frac{\sqrt{6}}{2}$

$\cos\theta=\frac{x}{r}$, $r=1$

$\sin\theta=\frac{y}{r}$.

$\cos\theta \Rightarrow x$

$\sin\theta \Rightarrow y$

Attachments

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