Trigonometry

Name:_____ Date:_____

Find the trigonometric ratios.

1) If $\sec\theta = \frac{85}{75}$, Find $\tan\theta$.

2) If $\cot\theta = \frac{76}{28}$, Find $\operatorname{cosec}\theta$.

3) If $\sin\theta = \frac{25}{80}$, Find $\cot\theta$.

4) If $\sec\theta = \frac{100}{80}$, Find $\sin\theta$.

5) If $\cos\theta = \frac{75}{85}$, Find $\operatorname{cosec}\theta$.

6) If $\operatorname{cosec}\theta = \frac{65}{16}$, Find $\sec\theta$.

7) If $\tan\theta = \frac{4}{\sqrt{48}}$, Find $\sec\theta$.

8) If $\tan\theta = \frac{6}{\sqrt{45}}$, Find $\operatorname{cosec}\theta$.

9) If $\cos\theta = \frac{76}{80}$, Find $\cot\theta$.

10) If $\cot\theta = \frac{\sqrt{78}}{\sqrt{3}}$, Find $\sin\theta$.

Trigonometry

Name:_____ Date:_____

Find the trigonometric ratios.

1) If $\sec\theta = \frac{85}{75}$, Find $\tan\theta$.

$\tan\theta = \frac{40}{75}$

2) If $\cot\theta = \frac{76}{28}$, Find $\operatorname{cosec}\theta$.

$\operatorname{cosec}\theta = \frac{81}{28}$

3) If $\sin\theta = \frac{25}{80}$, Find $\cot\theta$.

$\cot\theta = \frac{76}{25}$

4) If $\sec\theta = \frac{100}{80}$, Find $\sin\theta$.

$\sin\theta = \frac{60}{100}$

5) If $\cos\theta = \frac{75}{85}$, Find $\operatorname{cosec}\theta$.

$\operatorname{cosec}\theta = \frac{85}{40}$

6) If $\operatorname{cosec}\theta = \frac{65}{16}$, Find $\sec\theta$.

$\sec\theta = \frac{65}{63}$

7) If $\tan\theta = \frac{4}{\sqrt{48}}$, Find $\sec\theta$.

$\sec\theta = \frac{8}{\sqrt{48}}$

8) If $\tan\theta = \frac{6}{\sqrt{45}}$, Find $\operatorname{cosec}\theta$.

$\operatorname{cosec}\theta = \frac{9}{6}$

9) If $\cos\theta = \frac{76}{80}$, Find $\cot\theta$.

$\cot\theta = \frac{76}{25}$

10) If $\cot\theta = \frac{\sqrt{78}}{\sqrt{3}}$, Find $\sin\theta$.

$\sin\theta = \frac{\sqrt{3}}{9}$