

Name : _____

Solve

L1S1

Solve each equation.

1) $\sin 30^\circ = \frac{x}{8}$

2) $7 - 8x = \cot 90^\circ + 47$

3) $\frac{1+x}{3} = \cos 0$

4) $5 \csc \frac{\pi}{6} + 15x = 85$

5) $3x = 9 \tan 45^\circ + 23$

6) $9 \sec 60^\circ + 2 = 4x - 4$

7) $36x = \cot \frac{\pi}{3}$

8) $\frac{3x}{4} = \frac{\sin 60^\circ}{5}$

Name : _____

Answer key

L1S1

Solve

Solve each equation.

1) $\sin 30^\circ = \frac{x}{8}$

4

2) $7 - 8x = \cot 90^\circ + 47$

-5

3) $\frac{1+x}{3} = \cos 0$

2

4) $5 \csc \frac{\pi}{6} + 15x = 85$

5

5) $3x = 9 \tan 45^\circ + 23$

$\frac{32}{3}$

6) $9 \sec 60^\circ + 2 = 4x - 4$

6

7) $36x = \cot \frac{\pi}{3}$

$\frac{\sqrt{3}}{108}$

8) $\frac{3x}{4} = \frac{\sin 60^\circ}{5}$

$\frac{2\sqrt{3}}{15}$