

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

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